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CITY OF SOMERVILLE

ANNUAL REPORTS

1894



BOSTON:

A. L. WINSHIP & CO., PRINTERS.

1895.

CITY GOVERNMENT AND OFFICERS FOR 1894.

MAYOR.

WILLIAM H. HODGKINS,
188 Central street.

BOARD OF ALDERMEN.

JOHN ANDREWS, *President*.

WARD ONE.

ISAIAH H. WILEY	.	.	.	.	.	54 Mt. Vernon street
LEWIS STOCKBRIDGE	.	.	.	.	.	33 Pinckney street

WARD TWO.

FRANKLIN J. HAMBLIN	.	.	.	.	.	30 Walnut street
FRED W. GILBERT	.	.	.	.	.	101 School street

WARD THREE.

JOHN ANDREWS	.	.	.	.	.	34 Albion street
CALVIN H. WHITNEY	.	.	.	.	.	68 Gilbert street

WARD FOUR.

FRANKLIN F. PHILLIPS	.	.	.	.	.	211 Holland street
EDMUND S. SPARROW	.	.	.	.	.	18 Meacham street

CLERK.

GEORGE I. VINCENT.

COMMON COUNCIL.

FRANK W. KAAH, *President.*

WARD ONE.

WILFRED B. RICH	13 Franklin street
ALBERT C. FAIRBANKS	10 Union street
L. HERBERT HUNTLEY	1 Pearl street
JOSHUA N. PRATT	33 Franklin street

WARD TWO.

GEORGE B. CLARKE	31 Berkeley street
ARTHUR W. HAYNES	11 Parker street
FRANK W. KAAH	12 Pleasant avenue
FREDERICK W. PARKER	65 Boston street

WARD THREE.

LEONARD B. CHANDLER	45 Jaques street
G. FRANKLIN WILKINS	98 Central street
GEORGE H. RUSS	28 Montrose street
HERBERT L. CLARK	124 Sycamore street

WARD FOUR.

FREDERICK A. P. FISKE	52 Cherry street
BENJAMIN J. DOWNS	5 Claremon street
WILLIAM H. BERRY	75 Harris street
G. LESLIE NICHOLS	20 Chapel street

CLERK.

CHARLES S. ROBERTSON.

JOINT STANDING COMMITTEES OF THE CITY COUNCIL.

ACCOUNTS.—Aldermen Stockbridge, Phillips; Councilmen Clarke (Ward 2), Nichols, Pratt.

CITY ENGINEERING.—Aldermen Gilbert, Phillips; Councilmen Downs, Chandler, Fairbanks.

CLAIMS.—His Honor the Mayor; Alderman Hamblin; the President of the Common Council; Councilmen Rich, Fiske.

FINANCE.—His Honor the Mayor; Aldermen Phillips, Stockbridge; the President of the Common Council; Councilmen Fiske, Rich, Nichols, Clark (Ward 3).

FIRE DEPARTMENT.—Aldermen Hamblin, Wiley; Councilmen Wilkins, Huntley, Berry.

FUEL AND STREET LIGHTS.—Aldermen Wiley, Gilbert; Councilmen Haynes, Chandler, Berry.

HIGHWAYS.—Aldermen Gilbert, Whitney; Councilmen Clarke (Ward 2), Downs, Fairbanks.

LEGISLATIVE MATTERS.—His Honor the Mayor; Alderman Whitney; the President of the Common Council; Councilmen Russ, Nichols.

ORDINANCES.—Aldermen Phillips, Hamblin; Councilmen Russ, Fiske, Rich.

PRINTING.—Aldermen Whitney, Stockbridge; Councilmen Clark (Ward 3), Fairbanks, Parker.

PUBLIC GROUNDS.—Aldermen Sparrow, Whitney; Councilmen Chandler, Haynes, Huntley.

PUBLIC PROPERTY.—Aldermen Andrews, Sparrow; Councilmen Russ, Pratt, Parker.

SOLDIERS' RELIEF.—Aldermen Andrews, Wiley; Councilmen Clarke (Ward 2), Berry, Huntley.

WATER.—Aldermen Sparrow, Stockbridge; the President of the Common Council; Councilmen Downs, Wilkins.

STANDING COMMITTEES OF THE BOARD OF ALDERMEN.

ELECTIONS.—Aldermen Wiley, Andrews, Hamblin.

ENROLLED ORDINANCES.—Aldermen Sparrow, Gilbert, Andrews.

LICENSES.—Aldermen Stockbridge, Gilbert, Sparrow.

POLICE.—His Honor the Mayor ; Aldermen Andrews, Wiley.

SEWERS.—Aldermen Phillips, Hamblin, Andrews.

STATE AID.—Aldermen Wiley, Gilbert, Whitney, Phillips.

SPECIAL BUILDING PERMITS.—Aldermen Gilbert, Hamblin.

STANDING COMMITTEES OF THE COMMON COUNCIL.

ELECTIONS AND RETURNS.—Councilmen Pratt, Parker, Clark (Ward 3).

ENROLLED ORDINANCES AND RESOLUTIONS.—Councilmen Haynes, Nichols, Wilkins.

SCHOOL COMMITTEE.

WILLIAM H. HODGKINS, Mayor, *Chairman, ex officio*.

FRANK W. KAAH, President of the Common Council, *ex officio*.

(Term, three years.)

WARD ONE.

S. NEWTON CUTLER (elected 1891).

SANFORD HANSCOM, M. D. (elected 1893).

GEORGE S. POOLE (elected 1892).

WARD TWO.

THOMAS M. DURELL, M. D. (elected 1893).
ALVAH B. DEARBORN, M. D. (elected 1891).
HERBERT A. CHAPIN (elected 1892).

WARD THREE.

NORMAN W. BINGHAM (elected 1891).
QUINCY E. DICKERMAN (elected 1892).
THOMAS S. WENTWORTH (elected 1893).

WARD FOUR.

GILES W. BRYANT, M. D. (elected 1892).
MARTIN W. CARR (elected 1893).
BENJAMIN G. BROWN (elected 1891).

GORDON A. SOUTHWORTH, *Superintendent and Secretary*.

ASSESSORS.

(Term, three years.)

BENJAMIN F. THOMPSON, *Chairman* (term expires 1896)
SAMUEL T. RICHARDS (term expires 1895).
NATHAN H. REED (term expires 1897).
Clerk of Assessors, ALBERT B. FALES.

ASSISTANT ASSESSORS.

(Term, one year.)

WARD ONE.

FRED. B. CLAPP.

WARD TWO.

CHARLES C. FARRINGTON.

WARD THREE.

EDGAR T. MAYHEW.

WARD FOUR.

HARRY A TRUE.

BOARD OF HEALTH.

(Term : City Physician, three years ; other members, two years.)

THOMAS M. DURELL, M. D., *Chairman* (term expires 1895).

ALVAH B. DEARBORN, M. D., City Physician (term expires 1895).

ALVANO T. NICKERSON (term expires 1896).

Clerk, WILLIAM P. MITCHELL.*Inspector*, CALEB A. PAGE.**OVERSEERS OF THE POOR.**

Office, Police Building, Bow street.

WILLIAM H. HODGKINS, Mayor, *Chairman, ex officio*.

(Term, four years.)

EDWARD B. WEST (term expires 1895).

JAMES G. HINCKLEY (term expires 1896).

ALBERT W. EDMANDS (term expires 1897).

HERBERT E. MERRILL (term expires 1898).

Agent, CHARLES C. FOLSOM.*Secretary*, CORA F. LEWIS.

SOMERVILLE MYSTIC WATER BOARD.

Office, Prospect street, corner Somerville avenue.

(Term, three years.)

GEORGE D. WEMYSS, *President* (term expires 1897).

5 Austin street.

GEORGE A. KIMBALL (term expires 1895).

5 Munroe street.

WILLIAM FRANKLIN HALL (term expires 1896).

345 Broadway.

NATHANIEL DENNETT, *Supt. Water Works*.

FRANK E. MERRILL, *Clerk*.

REGISTRARS OF VOTERS.

(Term: City Clerk, one year; other members, three years.)

CROMWELL G. ROWELL, *Chairman* (term expires 1897).

CHARLES P. LINCOLN (term expires 1895).

CHARLES E. PARKS (term expires 1896).

GEORGE I. VINCENT, *City Clerk*.

TRUSTEES OF THE PUBLIC LIBRARY.

(Term, three years.)

CHARLES S. LINCOLN, *Chairman* (term expires 1897).

CHARLES A. WEST (term expires 1895).

JAMES E. WHITAKER (term expires 1896).

JOHN B. VIALI (term expires 1896).

J. HENRY FLITNER (term expires 1895).

CHRISTOPHER E. RYMES (term expires 1897).

ELIJAH C. CLARK (term expires 1897).

CHARLES H. BROWN (term expires 1897).

J. FRANK WELLINGTON (term expires 1896).

JOHN S. HAYES, *Secretary and Librarian*.

CITY CLERK AND CLERK OF BOARD OF ALDERMEN.

GEORGE I. VINCENT.

CITY TREASURER AND COLLECTOR OF TAXES.

JOHN F. COLE.

MESSENGER TO CITY COUNCIL.

JAIRUS MANN.

CITY SOLICITOR.

SELWYN Z. BOWMAN.

CITY AUDITOR.

CHARLES S. ROBERTSON.

CITY ENGINEER.

HORACE L. EATON.

SUPERINTENDENT OF STREETS.

THOMAS H. EAMES.

INSPECTOR OF BUILDINGS AND SUPERINTENDENT OF
PUBLIC BUILDINGS.

THOMAS R. ROULSTONE.

CHIEF OF POLICE.

MELVILLE C. PARKHURST.

CHIEF ENGINEER OF THE FIRE DEPARTMENT.

JAMES R. HOPKINS.

SUPERINTENDENT OF ELECTRIC LINES AND LIGHTS.

LEIGHTON W. MANNING.

CITY PHYSICIAN.

ALVAH B. DEARBORN, M. D.

INSPECTOR OF MILK AND VINEGAR.

THOMAS CUNNINGHAM.

INSPECTOR OF ANIMALS AND PROVISIONS.

THOMAS CUNNINGHAM.

CLERK OF COMMITTEES.

WILLIAM P. MITCHELL.

CLERK OF ASSESSORS.

ALBERT B. FALES.

Suitable Persons to Cause to be Properly Interred the Bodies of Hon-
orably Discharged Soldiers, Sailors, and Marines,
Under Chapter 395, Acts of 1889.

JESSE J. UNDERHILL.

JAMES F. DAVLIN.

CONSTABLES.

JAIRUS MANN.

ROBERT R. PERRY.

CHARLES C. FOLSOM.

EDWARD MCGARR.

CHRISTOPHER C. CAVANAGH.

EUGENE A. CARTER.

PATRICK J. GARVIN.

WILLIAM D. HAYDEN.

JOSEPH J. GILES.

DENNIS KELLEY.

CHARLES L. ELLIS.

CLARENCE TUCKER.

GEORGE H. CARLETON.

JOSEPH W. CURRANT.

FIELD DRIVERS.

CHRISTOPHER C. CAVANAGH.

GEORGE H. CARLETON.

JOHN E. FULLER.

JACOB W. SKINNER.

CHARLES S. THRASHER.

GEORGE W. BEAN.

JOHN G. KNIGHT.

THEODORE E. HERON.

FENCE VIEWERS.

LAMBERT M. MAYNARD.

AMMIEL COLMAN.

POUND KEEPER.

(Office vacant.)

SEALER OF WEIGHTS AND MEASURES.

AMMIEL COLMAN, 34 Marshall street.

MEASURER OF WOOD AND BARK.

SAMUEL T. LITTLEFIELD.

MEASURER OF GRAIN.

JOHN CRAIG.

**PUBLIC WEIGHER IN CHARGE OF CITY SCALES, UNION
SQUARE.**

FULTON O'BRIEN.

WEIGHERS OF COAL.

JOHN CRAIG.

GEORGE K. WALCOTT.

CHARLES H. TUCKER.

GEORGE E. SLACK.

GEORGE E. NEWCOMB.

D. WARNER DANFORTH.

THADDEUS HARRINGTON.

CLINTON E. SOMES.

EDWARD L. DUNNING.

WILLIAM I. NEWCOMB.

WEIGHERS OF BEEF.

D. WARNER DANFORTH.
 CHARLES H. TUCKER.
 FREDERICK A. GEHLING.
 CLARENCE EDWARDS.

THADDEUS HARRINGTON.
 GEORGE K. WALCOTT.
 GEORGE E. SLACK.
 CLINTON E. SOMES.

POLICE DEPARTMENT.

MELVILLE C. PARKHURST, *Chief.*

ROBERT R. PERRY, *Captain.*
 CHRIS. C. CAVANAGH, *Sergeant.*
 EUGENE A. CARTER, *Sergeant.*
 JOHN E. FULLER.
 ALBION L. STAPLES.
 JUDSON W. OLIVER.
 GEORGE W. BEAN.
 GEORGE L. SMITH.
 EDWARD M. CARTER.
 JOHN F. JOHNSON.
 EDWARD E. HAMBLIN.
 CHARLES E. WOODMAN.
 ARTHUR E. KEATING.
 STEPHEN S. SMITH.
 EUGENE H. GAMMON.
 IRA S. CARLTON.
 CHARLES W. STEVENS.
 ULYSSES G. SKINNER.
 JAMES J. POLLARD.

EDWARD MCGARR, *Sergeant.*
 DENNIS KELLEY, *Sergeant.*
 PHINEAS W. SKINNER.
 SAMUEL A. BROWN.
 JOHN HAFFORD.
 GEORGE A. BODGE.
 GEORGE H. CARLETON.
 HUBERT H. MILLER.
 FRANCIS A. PERKINS.
 CHARLES S. THRASHER.
 WILLIAM H. JOHNSTON.
 JOHN G. KNIGHT.
 THEODORE E. HERON.
 JACOB W. SKINNER.
 DAVID A. BOLTON.
 JAMES M. HARMON.
 MICHAEL T. KENNEDY.
 EZRA A. DODGE.
 DANIEL G. SIMONS.

MELVILLE C. PARKHURST, *Lockup Keeper.*

MAYOR'S INAUGURAL ADDRESSES.

CITY OF SOMERVILLE.

IN CONVENTION OF THE CITY COUNCIL, }
January 1, 1894.

RESOLVED: That His Honor the Mayor, be, and he is hereby requested to furnish the Committee on Printing with a copy of his inaugural address for publication.

Read twice and adopted.

GEORGE I. VINCENT, *Clerk.*

IN CONVENTION OF THE CITY COUNCIL, }
January 7, 1895.

RESOLVED: That His Honor the Mayor, be, and he is hereby requested to furnish the Committee on Printing with a copy of his inaugural address for publication.

Read twice and adopted.

GEORGE I. VINCENT, *Clerk.*

INAUGURAL ADDRESS

DELIVERED BY

HON. WILLIAM H. HODGKINS,

JANUARY 1, 1894.

GENTLEMEN OF THE CITY COUNCIL: —

It is a cause of congratulation that we enter upon our public duties upon the first day of the New Year. I cordially greet you, with the sincere wish that it may be to each of us a "Happy New Year." The past has carried its record to the Judge of all the earth, and as our feet touch the boundary of another year, we have supplicated His blessing to rest upon us and direct all our actions.

In accordance with the terms of the city charter we have subscribed to the oath of office, and have called Almighty God to witness that we will faithfully perform the duties which our fellow-citizens have elected us to discharge.

Appearing for the third time in compliance with the expressed wishes of my fellow-citizens to assume the obligations and responsibilities of this high office, I desire to return my sincere thanks for the honor conferred upon me, and for the warm and generous appreciation of my humble efforts to conduct public affairs for the

best interest of the city. I accept it, also, as an endorsement of the views I have expressed as to the general policy to be pursued with reference to the welfare of Somerville in all that will tend to develop municipal prosperity and a lofty public spirit. With each succeeding year the burden of responsibility is more weighty ; and I approach this year's duty feeling more than ever my own weakness, yet relying upon the promise of strength and wisdom from our Father in Heaven, who will never forsake or suffer to be misguided any who put their trust in Him.

FINANCES.

The funded debt of the city January 1st, 1893, was as follows : —

Funded Debt, City Loan	. . . .	\$676,000
Funded Debt, Sewer Loan	. . . .	43,000
Funded Debt, Paving Loan	. . . .	100,000
Funded Debt, Water Loan	. . . .	375,500
		<hr/>
Total Funded Debt	. . . .	\$1,194,500

The debt was increased during the year by appropriations made by the City Council as follows : —

Estate of the First Congregational Society, Central Hill . . .	\$45,000
Fire Department, steam fire engine .	3,000
Fire Department, land on Highland avenue	3,000
Highways, paving Washington street .	24,000
Nathan Tufts Park	10,000
Schoolhouse (Glines) in Ward Three	1,500
Schoolhouse in Ward Four, south side of Fitchburg R. R.	15,000
Schoolhouse, English High . . .	80,000
Schoolhouse, Edgerly addition . . .	3,500
Schoolhouse, Bingham addition . . .	10,000
Sewers, construction	10,000
Renewals of Funded Debt . . .	17,000

Total amount of increase . . . \$222,000

The debt was reduced during the year by payments as follows : —

Funded Debt, City Loan . . .	\$115,000
Funded Debt, Paving Loan . . .	5,000
Funded Debt, Water Loan . . .	17,000
	<hr/>
Total amount of reduction . . .	\$137,000

Leaving the Funded Debt of the city January
1st, 1894 \$1,279,500

(An increase of \$85,000 over the previous year) classified as follows : —

City Loan Bonds bearing interest at 4 per cent.	\$351,000
“ “ “ “ “ 4½ percent.	257,000
“ “ “ “ “ 5 “	165,000
“ “ Paving Bonds bearing interest at 4 per cent.	95,000
City Loan Sewer Bonds bearing interest at 4½ per cent.	18,000
City Loan Sewer Bonds bearing interest at 5 per cent.	35,000
Water Loan Bonds bearing interest at 4 per cent.	254,000
“ “ “ “ “ 5 “	94,500
“ “ “ “ “ 5½ “	10,000
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Total Funded Debt January 1st, 1894 . . .	\$1,279,500

The above represents the net indebtedness of the city, the unfunded liabilities, for temporary loans, etc., being equalled by its assets, which consist of uncollected taxes, sewer and sidewalk assessments, etc.

To provide for the payment of the current expenses, State and County taxes and debt requirements for the past year, the annual tax levy was made as follows : —

Real estate, valuation	\$38,538,700
Personal property, valuation	3,334,900
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Total valuation	\$41,873,600

A rate of \$15.50 on \$1,000 valuation, with
 13,423 polls at \$2 each, gives the total
 amount of the tax levy \$675,886.80

The appropriations provided for by the tax levy were as follows : —

Fire Department	\$ 41,000.00
Police	25,000.00
Police Station Incidentals	3,500.00
Health Department	12,000.00
Highways	60,000.00
Indigent Soldiers and Sailors	500.00
Interest	55,000.00
Miscellaneous	7,000.00
Public Grounds	7,500.00
Public Library	5,500.00
Printing and Stationery	6,000.00
Reduction of Funded Debt	75,000.00
Relief and Burial of Indigent Soldiers and Sailors	3,500.00
Salaries	34,000.00
School Contingent, Janitors' Sal- aries	10,000.00
School Contingent	16,000.00
School Fuel	8,000.00
Schoolhouse Incidentals	12,000.00
School Teachers' Salaries	125,000.00
Sewers, Maintenance	7,000.00
Sidewalks	10,000.00
Street Lights	42,000.00
Support of Poor	14,000.00
Watering Streets	6,000.00
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For current expenses	\$585,500.00
State of Massachusetts, State tax	39,225.00
State of Massachusetts, Metropolitan Sewer assessment	7,996.50
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<i>Amount carried forward</i>	\$632,721.50

<i>Amount brought forward</i> . . .	\$632,721.50
State of Massachusetts, Non-resident bank stock	819.95
County of Middlesex, County tax . . .	32,029.82
Overlay and Abatement, for the sum added for fractional divisions and abatements .	10,315.53
Total amount of appropriations provided for by the tax levy	<u>\$675,886.80</u>

In addition to the above, the following appropriations were made from the various income accounts, viz. : —

Police, the amount received of the State for cor- poration and bank taxes	\$17,108.43
Public Library, the amount received of the County for dog licenses	3,655.64
Water Maintenance, from the income of the water works	25,000.00
Water Works, construction of the water works	35,000.00
Water Loan Interest, balance of income of the water works	16,285.00
Reduction of Funded Debt	<u>2,174.73</u>
Total amount of appropriations for the year	\$775,110.60

A careful examination of the various accounts before the books can be closed for the year, warrants the statement that the total expenditures will be within the amount appropriated.

The usual tables, giving a condensed history of the city's finances, are herewith presented for comparison and reference : —

YEAR.	Amount of Funded Debt.	Increase of Funded Debt.	Reduction of Funded Debt.	Tax Rate Per \$1,000 Valuation on account of Reduction of Funded Debt.
Town	\$ 593,349	.....	.....	.....
Dec. 31, 1872	643,354	\$ 50,005	.....	.....
" 1873	809,354	166,000	.....	.....
" 1874	1,419,854	610,500	.....	.....
" 1875	1,571,854	152,000	.....	.....
" 1876	1,606,854	45,000	\$ 55,130.62	\$2.07
" 1877	1,606,854	10,000	58,828.58	2.30
" 1878	1,596,854	.....	61,004.64	2.91
" 1879	1,585,000	.....	64,915.76	3.42
" 1880	1,585,000	.....	55,739.35	2.72
" 1881	1,585,000	.....	58,498.64	2.59
" 1882	1,585,000	.....	61,390.59	2.65
" 1883	1,585,000	.....	64,479.01	2.70
" 1884	1,585,000	.....	67,719.33	2.78
" 1885	*1,525,000	.....	71,305.66	2.87
" 1886	1,525,000	.....	66,894.23	2.57
" 1887	1,525,000	.....	70,252.88	2.56
" 1888	*860,500	25,000	37,000.00	1.28
" 1889	952,500	130,000	38,000.00	1.27
" 1890	1,057,500	150,000	45,000.00	1.38
" 1891	1,045,500	45,000	57,000.00	1.55
" 1892	1,194,500	253,000	104,000.00	1.58
" 1893	1,279,500	222,000	137,000.00	1.79

* Sinking Funds applied.

YEAR.	VALUATION.	TAX LEVY.	RATE.
1872	\$22,755,325	\$274,374.45	\$13.00
1873	29,643,100	389,214.48	12.80
1874	30,837,700	473,235.50	15.00
1875	31,317,000	518,161.40	16.20
1876	26,573,400	504,745.24	18.60
1877	25,479,400	471,789.14	18.10
1878	20,976,900	409,497.10	19.00
1879	18,950,100	352,553.80	18.00
1880	20,458,100	402,927.71	19.10
1881	22,569,100	452,945.45	19.50
1882	23,162,200	425,721.16	17.80
1883	23,812,900	411,645.43	16.70
1884	24,331,100	418,750.26	16.60
1885	24,878,400	428,605.44	16.60
1886	26,003,200	416,987.28	15.40
1887	27,471,800	424,309.14	14.80
1888	28,765,400	421,458.60	14.00
1889	30,004,600	440,324.40	14.00
1890	32,557,500	447,704.00	14.00
1891	36,843,400	539,137.10	14.00
1892	38,093,100	596,357.50	15.00
1893	41,873,600	675,886.80	15.50

Territorially, Somerville is one of the smallest cities of the State, two only — Chelsea and Everett — having less taxable acreage. The average taxable acreage of the cities of the Commonwealth is 10,457 ; Taunton, with 25,222 acres, being the largest, while Somerville numbers less than 1,900 acres, Everett 1,816, and Chelsea, the smallest, has 961. The population of Taunton averages a little more than one to the acre ; Chelsea, 31 ; Everett, $6\frac{1}{2}$; and Somerville, with 25 persons per acre, has more dwellings to the acre than any city or town in the State, excepting Chelsea, and nearly as many as that city. The average tax rate in the 30 cities of the Commonwealth is \$16.31, our tax being 81 cents below the average. The average tax rate of Somerville since its incorporation as a city — a period of 22 years — has been \$16.08 ; last year, \$15.50. The lowest was \$12.80, in 1873 ; the highest, \$19.50, in 1881.

It seems almost unnecessary that I should at this time review at length the condition of the various departments of the city. Two thirds of last year's government, seven members of the new Board of Aldermen, and nine members of the Common Council returning with only a Sabbath's intermission from the duties and responsibilities of the last year's service, need not to be reminded of the various subjects which have been acted upon and completed, or have been, after more or less consideration, referred to this City Council. After one night's bivouac on the field of action, we open our eyes to behold the situation but slightly changed, with many of the same subjects still seeking or demanding solution.

It gives me pleasure to record my appreciation of the faithful service of all the boards and heads of the city departments, the City Treasurer, City Clerk, City Solicitor, and all the employes at City Hall, without whose constant and efficient service, official life would be more difficult and burdensome than it now is. After many years of experience with many public officials, I can truly say that, in my opinion, no city in the Commonwealth has more honest, intelligent and loyal officials, and I take pleasure in thus publicly bearing witness to their worth. We begin the new year without incumbrance, with no unpaid bills, and with all the departments in excellent working condition.

At this time I would impress upon your minds the wisdom of a careful scrutiny of all items of expenditure in the regular ap-

propriations and the imperative necessity of "living within our means."

I recommend to your careful consideration the proposition that the appropriations for the running expenses of the city to be raised under the twelve-dollar tax limit be levied upon the average valuation for the past three years, instead of upon the valuation of last year alone. The law permits either course, and last year, owing to the demand for increased expenditure, it was deemed best to avail ourselves of the privilege of levying the larger amount, viz.: upon the valuation of 1892, which admitted of an appropriation of \$455,632. Then, again, certain very valuable estates were to be taxed for the first time, which, together with the increase of assessed values, increased the valuation to \$41,873,600 — a gain of \$3,780,500.

This year the prospect of a corresponding increase of valuation is not as promising, and if the valuation of last year shall be made the basis, the tax rate will be likely to be increased. The basis of the average valuation for the past three years will afford an appropriation of \$463,501, an increase of \$7,869. In addition to this should be added a considerable sum brought forward from the account of 1892 and paid from the appropriation of 1893. If this recommendation is carried into effect, the tax rate will not exceed \$15 per thousand.

The Inspector of Buildings reports that permits for the erection of 482 buildings were issued during the last year. Although this is a slight reduction compared with the year 1892 — owing doubtless to the stringency of money during a portion of the year — it indicates a healthy and substantial growth of the city and adds about 2,500 to the population of the city, which is estimated to be nearly, if not quite, 50,000 souls.

One year ago there were in use in the city three oil lamps, 276 arc and fourteen incandescent lights. During the year there have been added forty-one arc and fourteen incandescent lights. Twenty-five incandescents have been discontinued, leaving the number at the present time 317 arc lights, three being placed on public grounds, one on Central Hill and two on Broadway Park, 211 incandescent, and three oil lights.

STREET DEPARTMENT.

During the past year the action of the Highway Committee has been in strict accordance with the course pursued the year previous, and consequently a very large amount of work has been performed. The object has been the rebuilding of thoroughfares on a lasting basis and taking care of the new streets which have been opened so rapidly in the different sections of the city; also, the temporary repair of such main streets upon which the committees have been unable to make permanent improvements this year, but which under the general plan would receive early attention. The paving with granite blocks of Washington street between Union square and Medford street, which was recommended one year ago, has been accomplished, and that portion of the street which was one of the worst in the city is now in splendid condition. The most extensive piece of macadamizing undertaken has been in Ward One, on Broadway; the entire distance between the Boston line and Cross street has been brought to grade, changing the former dangerous grade in a portion of it; a new foundation has been put in, and the whole covered with a wearing surface of Salem hard stone. Broadway, from the boundary to the top of Winter Hill, is now one of the finest streets in the vicinity. In Ward Four, Elm street, from Davis square to Willow avenue, has been rebuilt with Waltham hard stone. I recommend that the work of rebuilding this street in the same manner be continued to Somerville avenue during the present year. The calls for the building of new streets recently opened and built upon have been greater than ever before. In my opinion the committee has responded to these demands in every ward to the full extent of the appropriation, and each section has had its equal share of improvements. A large amount of sidewalk building has been accomplished, nearly 15,000 feet of edgestones and more than 13,000 square yards of brick sidewalks having been laid.

The subject of enlarging the city stables, which was considered last year, and for which plans have been prepared and estimates procured, is one that will require your early attention. The department is crippled for lack of horses and teams to do the necessary work, and is forced by lack of stable room to considerable expense in hiring

private teams. But the principal reason for the enlargement rests in the request of the Board of Health that the ashes of the city be collected by the Highway Department. The work can be done by this department more economically and to the entire satisfaction of the people. It is also expected that this department will soon be called upon to provide stable room for the more efficient collection of city offal.

Arrangements for all this additional work have been provided for in the plans which were presented by the highway committee last summer. Owing to the stringent money market at that time the plans were not carried into effect.

On thoroughfares bearing the heavy travel, the wisest economy requires that only the best material be used. It is a waste of money to use Somerville blue-stone, and the Highway Committee of this year will do well to consider this suggestion. Our main streets should be built to wear, and only the hardest material that can be obtained is suitable for this purpose. Pearl street and Medford street from Cross to Central streets are in need of immediate repairs, and should be so built. This year the West End Street Railway will relay their tracks on Highland avenue from Central street to Davis square. This portion of the avenue needs immediate repairs, and as the relaying of the tracks will necessitate more or less change of grade, I think the opportunity of making a first-class road-bed with hard stone surface should be improved. The experience in paving during the last two years has been so successful as to lead me to recommend that the paving of Somerville avenue from Park street to the junction of Elm street should be undertaken this year, and as much of it completed as our finances will admit. This will provide a fine drive through Somerville to the Cambridge line, and by continuing through Elm street, as I have previously indicated, will furnish a first-class highway through West Somerville to the top of Clarendon Hill. These suggestions, if carried into effect, will prove of great benefit to our city. I suggest that one or two picked men be detailed to look after and repair immediately, under the direction of the Superintendent of Streets, any defects which may exist in our principal streets. This plan has been successfully carried out in Newton and other cities.

I cannot close this portion of my address without bearing witness to the great ability and faithfulness of the late chairman of the high-

way committee, Ex-Alderman William L. Barber. In his connection with this department he has manifested traits of character, a genius for hard work, and a capacity for carrying forward large enterprises to successful completion, which entitle him to the respect and confidence of all the citizens, as well as to those who have been associated with him in his difficult work.

FIRE DEPARTMENT.

The department consists of two steam fire engine companies, four hose companies, one ladder company, and a new steamer for reserve, which has been obtained during the last year by purchase and exchange of an old steamer worn out in service. The number of fire alarms during the year 1893 was 92 bell and 18 still alarms. The loss by fire, as near as can be ascertained, was \$31,569.35, as against \$67,852, a decrease of \$36,282.65, or 53½ per cent. The insurance on this property was \$125,950. At each alarm the fire has been confined to the building in which it originated, and in no case has the building been destroyed. The department is in excellent condition.

During the past year the needs of the department have been considered. A lot of land near the corner of Cedar street and Highland avenue has been purchased for the uses of a ladder truck when a building shall be erected to receive it. Several orders relating to the erection of a building, and one sketch of a proposed building are in the files of papers referred to this City Council, and will soon come before you for consideration. One is to erect a central fire station, at an estimated cost of \$20,000, on the West Somerville lot. The other is to erect the same building on the Brastow Schoolhouse lot. That a central fire station is needed there can be no doubt. The exigencies of the department require room as soon as it can be obtained. Early last year it was proposed to enlarge the present Steamer One house, but the project was not regarded with favor. Three city councils have declined to take action on the subject of enlargement.

I referred to this matter one year ago at considerable length, and favored the erection of the central fire station on the Brastow Schoolhouse location. Another year of careful consideration of the subject has confirmed rather than changed the views I then expressed. I think that for all the purposes required of such a station this location is superior to any other mentioned. In all respects it has advantages.

If the station is erected upon this site, it will furnish headquarters for the fire department and a central location for the chemical engine and fire-alarm system. In that event, a smaller and less expensive building can be erected for the ladder truck in West Somerville. I believe that public sentiment is in accord with this recommendation, and I submit the subject to your careful consideration.

The Superintendent of Electric Lines and Lights recommends that a wagon be procured for carrying tools and materials necessary for repairing breaks, or for general work on fire-alarm and police wires, and for dispatch in reaching places of accident. Owing to the large increase of electric wires by electric lighting, West End Street Railway trolley and numerous telephone and telegraph lines, the liability of broken wires and the danger to the public incurred thereby is greatly increased. This wagon should be kept at the headquarters of the fire-alarm system. He also suggests that a striker be put on Clarendon Hill, at the Lincoln Schoolhouse, to notify the children in that part of the city of "no school" and for fire-alarm purposes.

OVERSEERS OF THE POOR.

It gives me pleasure to state that the Board of Overseers of the Poor fully realize the unusual demand which may be made upon them during the present winter, and are cognizant of the true condition and wants of any who have made known their distress. It also affords gratification to state that owing to the general character of our citizens, and the continuance of active business in the city, the number of unemployed is not nearly as large, proportionately, as in many other cities. Still, doubtless, it is a fact that an unusual number may require assistance before the winter is over. Should such be the case, I am sure the good people of our city will not murmur if the amount expended in public benefaction is larger than usual. The citizens of Somerville have never begrudged any amount, judiciously expended, to aid deserving applicants, and now, in addition to the means provided by the city, the citizens are reorganizing charitable societies, and forming Associated Charities to carry forward private benevolent agencies designed to prevent pauperism and suffering.

The number partially supported during the past year was 1,091, an increase of 168 over 1892; number fully supported 117, an increase of 11 over 1892, five of this increase being in the number

of insane. The total expenditure of this department last year was \$17,800.51, an increase of \$785.21 over the previous year. The number fully supported at the present time is 75, an increase of 10 over one year ago. Four of these are children.

At its last regular meeting the Board of Overseers voted unanimously to recommend to the City Council the purchase of a suitable site for the erection of a City Almshouse, in view of the fact that they have not been able to hire a house in accordance with authority given by last year's City Council, and inasmuch as available land of sufficient area can be better procured at the present time.

I respectfully ask your consideration of this action of the Board of Overseers.

SOMERVILLE HOSPITAL.

Although this is a private and in no sense a public institution supported by the city, it is one in which Somerville may well feel an honorable pride. Its completion engaged the last labors of the Hon. Charles G. Pope, my predecessor in the mayoralty, who departed this life on the 24th day of April last. He lived long enough to witness its completion, after long and faithful labor in perfecting its organization. It was dedicated on May 17, 1893, and was immediately occupied. Though the need of such an institution has long been recognized, yet such was not fully understood until the hospital had demonstrated it by its humane and noble work. Having no endowment or stated income, it relies for support principally upon the contributions of our benevolent citizens. Owing to the fact that it receives and maintains many who might otherwise be a charge upon the city, I trust the citizens will not be heedless to its calls for financial aid.

POLICE DEPARTMENT.

No changes have occurred in this department during the year. The comparative freedom from crime which we have enjoyed is due in a large degree to the efficiency of the police force. The department is well conducted and can be relied upon for a faithful discharge of duty.

Owing to the large number of new streets, which necessitates longer routes, I think the force should be increased by the appointment of three additional patrolmen. I recommend this action after frequent interviews with the Chief in relation to the efficiency of

the force. I concur in his recommendation that the signal system be extended to provide for two more circuits and three additional boxes, and that a matron to take care of female prisoners be appointed.

I renew in another form a recommendation made one year ago, in regard to retiring aged and faithful patrolmen, who have served fifteen or twenty years, and are unfitted for street duty by reason of age. Authority for this action must be granted by statute, and I recommend that the Mayor be authorized to petition the Legislature for the enactment of a law which shall confer this power upon the City Council.

NATHAN TUFTS PARK.

During the year two loans of \$5,000 each have been made for the purpose of completing this park, and the amount of \$10,000 has been expended under the direction of the Committee on Public Grounds. Enough has been accomplished to comply with the terms of the deed of gift, and as soon as the weather will permit the necessary landscape gardening will be undertaken, lawns and walks laid out, trees and shrubbery set out, and it is hoped that all necessary work will be finished in season to dedicate the park on the Fourth of July next, when, as I understand, our patriotic residents of West Somerville propose to outdo the splendid celebration of the day last year. Truly, such an occasion should appeal to the patriotism of the entire city and afford a fine opportunity for its display.

It will be necessary, and at an early day, to appropriate a sufficient sum for the completion of the park.

STREET BOUNDS AND CITY SURVEY.

I respectfully call your attention to the last annual report of the City Engineer, in which he submits the necessity of placing stone monuments or bounds at street intersections for the purpose of permanently establishing street lines and affording an indestructible record of their location. I will not quote at length the paragraph to which I refer, but will recommend that the sum of \$500 be appropriated for that purpose. I also call your attention to his reference to the necessity of completing the city survey, found on

page 7 of this report, and approve his request for an appropriation of \$500 to defray the expense. No appropriation for this purpose has been made since 1883.

SOMERVILLE MYSTIC WATER BOARD.

In January last, the President of this Board, Albion A. Perry, Esq., whose term of service was about to expire, declined a reappointment, and the city was thus deprived of his valuable services. Mr. William F. Hall was appointed for the full term of three years. The following is a brief synopsis of the work of the Board during the past year:—

Length of mains extended . . .	8,031 feet
Length of mains relaid . . .	16,305 feet
making over 4 6-10 miles pipe put in.	
Number of services put in . . .	372
Number of feet of pipe . . .	13,432 (over 2 1-2 miles)
Number of hydrants set . . .	54
Number of hydrants removed . . .	21
Net increase in hydrants . . .	33
making total number now in city,	568
of which 26 are private hydrants.	

A large district has been relaid with iron pipe in West Somerville, and Washington street from Medford street to Union square has also been relaid, together with many smaller streets. A new boiler has been erected at the pumping station, and scales have also been put in there for weighing coal, pipe, etc. The Board emphasizes the necessity of relaying a large portion of the cement pipe now in the city as a matter of economy, and this should be done the coming year, in their opinion.

PUBLIC SCHOOLS.

During the year a change in the office of superintendent has been made. Mr. C. E. Meleney has resigned and Mr. Gordon A. Southworth has succeeded him in that office. The latter needs no introduction to the citizens of Somerville. Occupying for twenty years the post of Principal of the Prescott School, he has become

well known to us all. He brings to his office ripe experience as a teacher, business methods, and a devotion to his calling which will be beneficial to our public schools. The City Council of last year provided ways and means for the erection of an English High School, purchased the property of the Unitarian Society to afford ample room for its location, and have made a contract for the erection of the building. The enlargement of the Bingham School is in progress and will be completed within four months, and an appropriation has been made for the erection of a schoolhouse on Kent street to accommodate children living south of the Fitchburg Railroad. The land for this purpose was purchased and plans of a building adopted, but owing to the fact that the English High School appropriation was inadequate to cover the contract for the erection of the building, it was decided late in the year to transfer a sufficient sum from the Kent Street School appropriation, with the understanding that the amount thus taken, and enough more to complete that building, should be appropriated as soon as possible this year. I therefore recommend that such action be taken at once, in order that this schoolhouse may be built early in the season, in accordance with the plans already adopted.

At the final meeting of the School Board, held December 26, a report containing several recommendations was adopted. These will soon be presented to the City Council in the report of the Committee on Additional School Accommodation. In order to anticipate in point of time, I will here give you a brief statement of the principal recommendations : —

1. The erection of a four-room building for primary schools in the northeasterly part of Ward One, on Broadway, between Mt. Vernon street and Benedict avenue, or on the vacant land adjoining the Prescott School on Myrtle street.

2. If the Webster School had not been burned, there would have been no demand for additional school accommodations in Ward Two in 1894. Instead of rebuilding that schoolhouse it is proposed to enlarge the Knapp School by the addition of four rooms, which will provide adequate room for the scholars of both schools.

3. The enlargement by the addition of eight rooms to the Burns School in Ward Four. This will relieve the overcrowded condition of four schools in that ward. The Burns School is about midway between the Morse and Highland Schools, in the centre of a growing district. It furnishes (in the opinion of the superintendent) just the needed nucleus for another grammar school centre, and its enlargement will relieve the Highland and Lincoln on one hand, and the Morse on the other. I commit these recommendations of the Superintendent of Schools to your careful consideration.

The average cost of education for each scholar in the public schools during 1893 was \$23.68, a decrease of 25 cents per scholar compared with the previous year.

HEALTH DEPARTMENT.

During the year two changes have taken place in this department, caused by the declination of Mr. J. Frank Wellington to accept another appointment, and the resignation of Mr. Charles H. Crane, consequent upon his election to represent the city in the General Court. Both these gentlemen have served the city faithfully in a department which requires ability and patience, and devotion to the best interests of the city. The vacancies were filled by the appointment of T. M. Durell, M. D., and Ex-Alderman A. T. Nickerson.

The Board has under consideration the problem of the proper disposition to be made of the city garbage, upon which it will report at a future date.

CITY HALL.

One year ago I referred to this subject, and the general improvement of the Central Hill Park, and stated that the need of a new City Hall was beginning to be seriously felt. I was well aware of the inconvenience of transacting public business in such a building, but when outlining a plan for buildings on that public ground, I thought that the plan might be gradually consummated in a period of a few years. Now I believe that a new City Hall is imperatively demanded, and I do not hesitate to request your early and favorable consideration with a view to your speedy action

in procuring plans and estimates of the cost of such a building as the urgent necessities of the case demand. The present structure was erected in 1852. For twenty years it was used as a High School, afterwards as a Town House, and in 1872, upon the organization of the City Government, became the City Hall, and has been used as such ever since. The building that was sufficient for city purposes in 1872 is entirely inadequate for such uses now. A city of 50,000 inhabitants has grown up around it, and it is no longer suited for the centre of the city's official and business activities. Every department is pressed for room. The Board of Assessors, having frequent hearings and employing in summer an extra number of clerks, requiring much floor room, has no access to its office excepting through the room of the Clerk of Committees, who himself is in need of room. There is no office room whatever for the Superintendent of Streets, Electric Lines and Lights, or Health Department. The City Engineer says of his office accommodations: "It has long been evident that the facilities for properly arranging plans, note-books, etc., in the department are entirely inadequate to its needs. The office is small and poorly arranged for the number of men employed, and it is even necessary to locate some of the office help in another part of the City Hall, beyond the control of the engineer. The present arrangement for filing plans is so small, and the books and plans are so crowded, that it is only with extreme care that plans can be used without injury. The safe for plans and note-books is small, and its construction is such that if the building were destroyed by fire, the contents, if not entirely destroyed, would be of very little value. The loss of note-books and plans would be a severe one, and it would be impossible to replace them at any cost. The records of location and depths of sewer and water mains, the plans of highway locations, the surveys of streets, lands, and buildings, levels and grades for highways, and land plans of which no other copies can now be obtained, all would be destroyed."

The same difficulty is experienced in nearly every department. There is not a room available for conversation and interviews. All business must be transacted in public rooms or hallways. The sanitary arrangements are entirely inadequate. There is but one retiring-room in the building, and that of a character excelled in

almost every private dwelling having any claim to respectability. At the last meeting of 1893, a special committee appointed some months before to consider the advisability of providing more room in City Hall, and reporting a plan, after having had but few meetings with an interval of some months, submitted a recommendation that a wooden addition be built upon the School street end. Only a few months before the obnoxious wooden horse-sheds had been removed, as much on account of their dangerous proximity to the building as for any other cause, and now it is seriously proposed to add what might prove a tinder-box to this old building already considered unsafe in case of fire. I do not believe it wise policy to increase accommodations in that way or in any other, except in the erection of a new hall which shall fully answer the purposes for which it shall be erected and prove a source of pride to our citizens. In these days schoolhouses and public buildings are planned for the purpose of enlargement in the event of overcrowding, but any expenditure upon this building would, in my opinion, be money thrown away. Any wise business man or corporation plans buildings, mills and factories with some reference to future growth of business. It is an exercise of good judgment, in my opinion, for a city to provide building accommodations beyond the pressing needs of the present hour.

PUBLIC LIBRARY.

During the year Miss Adams, who had been librarian from its organization, more than twenty years ago, resigned her position, and was succeeded by Mr. John S. Hayes, who had for fifteen years been Principal of the Forster School. He entered upon his active duties on the first day of July last. Under the direction of the trustees he has commenced preparations for the entire reorganization of the library, which will provide for a complete classification of the books and require considerable more room, especially for shelving, books in stack, a suitable room for the reference library, a room for students and others who use the library for study and research, and a room for the proper care of relics of the past.

When the building was completed it was large enough for the library as it then existed, but the increase in population has de-

manded an increased number of books, and books require room. Common prudence would suggest an addition to the stack room, with space for at least 60,000 volumes. The present delivery space is too small for the large numbers that come to the library for books. The reading-room should occupy much more space. These and other reasons suggest the need of more room. The subject is now being discussed in the local papers, "not with an idea of finding out how pressing present needs may most easily be met, but with a comprehensive view of the probable needs of the next generation, and with a purpose of doing work now so that it will not have to be done all over again a dozen years from now." This language so nearly expresses the spirit of the recommendations made one year ago, and which another year has convinced me to be correct, that I quote it with pleasure as indicative of the trend of public opinion toward the true and natural solution of the great problem of improvement in the public buildings.

The location of the English High School will prevent any possibility of enlargement of the Public Library eastward. The only suitable method of obtaining additional room is to erect a building westward toward School street. I believe that the City Hall should be erected further eastward, and a building for the use of the Public Library erected, joining the present library building and connected with it. This new building could serve as a public Memorial Hall and Public Library combined. The new building could be of the same general style of architecture and present a pleasing effect. The lower story could be utilized as a stack room and for other purposes of the library, and the present building fitted up, as the trustees suggest, for reading rooms, reference library, and rooms in which the student or investigator could pursue his researches without confusion or interruption.

This plan for the improvement of Central Hill is feasible, and can be carried out. There are two ways of accomplishing it. One is to erect a new building each year from appropriations made on the funded debt account, to be paid for within a period of ten years; the other is to follow the course pursued by Lowell and other cities which have felt the need of great public improvements — city halls, public library buildings, high schools, memorial halls and parks. Lowell, for instance, has just completed some of the finest public

buildings in the State—a city hall, memorial and public library combined, and high school. Instead of building piecemeal, the city obtained authority from the Legislature to borrow the amounts required outside the debt limit, and for the term of thirty years. As the work of erecting these buildings was to require considerable time, and cover the period of several city governments, the construction was placed in the hands of a commission consisting of its leading citizens, and the grand work has been accomplished. These buildings, if we erect them, are to continue for more than one generation. They are to be used by those who shall follow us in a long succession of years. Our borrowing capacity should always remain as large as possible, in order to provide schoolhouses, engine houses, sewers, and other important matters, but the weight of a loan on long time would be comparatively light and be borne in a measure by those who are to receive its benefits. The Somerville avenue paving loan is an illustration of this idea. Newton is to have its grand boulevards, Cambridge its splendid parks. Somerville, with the finest location in this section of the State for its public buildings, will one day have them.

GENTLEMEN OF THE CITY COUNCIL:—

There are many matters of public interest to which I have not referred. Much has been done which time will not permit me to speak of at length, and that has not been mentioned in print. Such matters as the removal of grade crossings, reduction of the price of gas and change of railroad locations have had the close attention of the City Solicitor and the Mayor, the former having attended all hearings in these cases in the interest of the citizens of Somerville. He has been faithful in all his works, and while a trumpet has not been sounded before him he has accomplished much which will bear fruit and be creditable to himself and the city. Let us determine here and now that we will be true to the interests of this dear city now committed to our care. The year stretches out before us. It will be crowded with labors and activities. May we so conduct the public business that at its close our fellow-citizens may gladly say to each, “Well done, good and faithful servant.”

INAUGURAL ADDRESS

DELIVERED BY

HON. WILLIAM H. HODGKINS,

JANUARY 7, 1895.

GENTLEMEN OF THE CITY COUNCIL:—

For the third time in the history of Somerville the voters have elected a Mayor for the fourth consecutive term. Renewing my oath of office, it is fitting that I should acknowledge my deep sense of personal obligation to my fellow-citizens for the honor conferred upon me for the fourth time, indicating, as it does, the confidence reposed in me. I should be less than human did I not respond with expressions of sincere thankfulness that my public course has been such as to receive this testimonial of high esteem.

But while a new honor has been added, I can but realize that another draught is to be made upon my strength and ability to perform the duties of the high office. Experience has taught me that the position of Mayor of this growing city demands all the strength, and courage, and patience the incumbent possesses, and more than all else the sustaining grace and power of the Almighty. As I meet the cares and problems of another year, differing, in many respects,

from those of former years, I must rely upon that power for any degree of success, and I exclaim, with one of old, "If Thy presence go not with me, carry us not up hence."

We speak of Somerville as a *growing* city. Do we realize how rapidly it is growing, and what strides it is making? The population in 1872 was estimated to be 16,000; in 1880 it had increased to 24,985; in 1885, to 29,922, an increase of twenty per cent.; in 1890, to 40,152, an increase of thirty-three and one-third per cent.; in 1894, or four years and five months, to 52,200, an increase of thirty per cent. The increase of 1894 over 1880 has been 108 per cent.

The past year has been one of great activity in all the departments of the government. The building of the English High and George W. Durell Schools; the enlargement of the Knapp and Bingham Schools; and much other less important work upon the schools; the erection and equipment of the central fire station and hook and ladder house on Highland avenue, together with providing apparatus and extending the fire-alarm system; the large amount of work in the Highway Department, including the building of a new stable; the extensive laying of sewers; the reorganization of the Health Department; the unusual amount of work performed by the Water Board; the completion of the Nathan Tufts Park; the extra labors of the Poor Department in behalf of the unemployed, and many minor events too numerous to be mentioned in a single paragraph, have fully occupied the attention of the various committees. The year 1894 will be remembered by the members of its City Council and departments as one of hard work and little leisure.

Much of this work has been caused by the very rapid growth of the city. The demand for additional public accommodations—schools, streets, and other necessities—is increasing yearly, and requires constant forethought and oversight to anticipate and provide for. Therefore, I recommend to your careful consideration the great economy of providing adequate accommodations in advance of their need. Something in this direction was done last year in securing the erection of the public buildings, but much more of the same kind of work must be done from year to year. The open ground of Somerville in every quarter is being rapidly covered with buildings to provide homes for a class of worthy, industrious, and public-spirited people, who will be imbued with our ideas, if these are far reaching

and for the well-being and permanent benefit of those who make this city their home. Somerville is destined to be a popular city, and there are some, perhaps many, sitting here who will see its population number one hundred thousand.

Following the usual custom on these occasions, I will first direct your attention to the financial condition of the city, which, I think, is of sufficient importance to justify more than passing notice. The voters have a right to know the exact condition of the finances, that they may judge equitably as to the faithfulness of an administration in the discharge of its trust.

STATEMENT OF FINANCES.

The Funded Debt of the city January 1, 1894, was as follows : —

Funded Debt, City Loan	\$773,000
Funded Debt, Sewer Loan	53,000
Funded Debt, Paving Loan	95,000
Funded Debt, Water Loan	358,500
	<hr/>
Total Funded Debt	\$1,279,500

The debt was increased during the year by appropriations made by the City Council as follows : —

Fire Department, central fire station	\$26,000
Fire Department, central fire station, electrical apparatus, etc.	5,250
Fire Department, chemical engine and equipments	3,000
Fire Department, hook and ladder station	10,000
Fire Department, hook and ladder station, equipment and furniture	3,750
Fire Department, land for fire station, Ward One	6,000
Highways, city stable	14,500
Nathan Tufts Park	15,000
Public Library improvement	3,000
Schoolhouse, Bingham addition	1,000
	<hr/>
<i>Amount carried forward</i>	<i>\$87,500</i>

<i>Amount brought forward</i>	.	.	.	\$ 87,500
Schoolhouse, Edgerly addition	.	.	.	2,000
Schoolhouse, High and English High, heating, ventilating and plumbing	.	.	.	35,000
Schoolhouse, O. S. Knapp addition	.	.	.	15,500
Schoolhouse, Ward Four, south side Fitch- burg Railroad	.	.	.	12,000
Sewers, construction	.	.	.	20,000
Total amount of increase	.	.	.	<u>\$172,000</u>

The debt was reduced during the year by payments as follows : —

Funded Debt, City Loan	.	.	.	\$83,000
Funded Debt, Sewer Loan	.	.	.	1,000
Funded Debt, Paving Loan	.	.	.	5,000
Funded Debt, Water Loan	.	.	.	18,000
Total amount of reduction	.	.	.	<u>\$107,000</u>

Leaving the Funded Debt of the city January 1, 1895, \$1,344,500 (an increase of \$65,000 over the previous year), classified as follows : —

City Loan Bonds bearing interest at 4 per cent.	.	.	.	\$444,000
City Loan Bonds bearing interest at $4\frac{1}{2}$ per cent.	.	.	.	233,000
City Loan Bonds bearing interest at 5 per cent.	.	.	.	165,000
City Loan Sewer Bonds bearing interest at 4 per cent.	.	.	.	20,000
City Loan Sewer Bonds bearing interest at $4\frac{1}{2}$ per cent.	.	.	.	17,000
City Loan Sewer Bonds bearing interest at 5 per cent.	.	.	.	35,000
City Loan Paving Bonds bearing interest at 4 per cent.	.	.	.	90,000
Water Loan Bonds bearing interest at 4 per cent.	.	.	.	248,000
Water Loan Bonds bearing interest at 5 per cent.	.	.	.	82,500
Water Loan Bonds bearing interest at $5\frac{1}{2}$ per cent.	.	.	.	10,000
Total Funded Debt January 1, 1895	.	.	.	<u>\$1,344,500</u>

The above represents the net indebtedness of the city, the unfunded liabilities, for temporary loans, etc., being equalled by its assets, which consist of uncollected taxes, sewer and sidewalk assessments, etc.

To provide for the payment of the current expenses, State and County taxes and debt requirements for the past year, the annual tax levy was made as follows : —

Real estate, valuation	\$40,598,900
Personal property, valuation	3,544,000
Total valuation	<u>\$44,142,900</u>

A rate of \$15.70 on \$1,000 valuation, with 14,061 polls at \$2 each, gives the total amount of tax levy, \$721,165.53.

The appropriations provided for by the tax levy were as follows : —

Fire Department	\$ 43,000.00
Health Department	12,000.00
Highways	60,000.00
Indigent Soldiers and Sailors	500.00
Interest	65,000.00
Miscellaneous	6,600.00
Police	25,000.00
Police Station Incidentals	3,500.00
Printing and Stationery	6,500.00
Public Grounds	4,500.00
Public Library	6,500.00
Reduction of Funded Debt	100,000.00
Relief and Burial of Indigent Soldiers and Sailors	4,000.00
Salaries	35,400.00
School Contingent	16,000.00
School Contingent, Janitors' Salaries	11,000.00
School Fuel	9,000.00
Schoolhouse Incidentals	12,000.00
School Teachers' Salaries	125,000.00
Sewers, Maintenance	7,000.00
Sidewalks	10,000.00
Street Lights	44,000.00
<i>Amount carried forward</i>	<u>\$606,500.00</u>

<i>Amount brought forward</i>	.	.	\$606,500.00
Support of Poor	.	.	15,000.00
Watering Streets	.	.	7,000.00
			<hr/>
For current expenses	.	.	\$628,500.00
State of Massachusetts, State tax	.	.	31,380.00
State of Massachusetts, Metropolitan Sewer assmt.			22,230.79
State of Massachusetts, Non-resident Bank stock			847.80
County of Middlesex, County tax	.	.	34,317.59
Overlay and Abatement, added for fractional divisions and abatement	.	.	3,889.35
			<hr/>
Total amount of appropriations provided for by the tax levy	.	.	\$721,165.53

In addition to the above, the following appropriations were made from the various income accounts, viz. : —

Police, the amount received of the State for corporation and bank taxes	.	.	22,225.59
Public Library, the amount received of the County for dog licenses	.	.	2,710.90
Water Maintenance, from the income of the water works	.	.	32,500.00
Water Works Construction, from the income of the water works	.	.	30,000.00
Water Loan Interest, from the income of the water works	.	.	15,415.00
			<hr/>
<i>Amount carried forward</i>	.	.	\$824,017.02

Amount brought forward \$824,017.02

Reduction of Funded Debt, balance of income of
the water works (estimated) 5,486.30

Total amount of appropriations for the year . . \$829,503.32

The following tables, giving a condensed history of the city's finances, are herewith presented for comparison and reference : —

YEAR.	Amount of Funded Debt.	Increase of Funded Debt.	Reduction of Funded Debt.	Tax Rate Per \$1,000 Valuation on account of Reduction of Funded Debt.
Town	\$ 593,349	— —	— —	—
Dec. 31, 1872	643,354	\$ 50,005	— —	—
" 1873	809,354	166,000	— —	—
" 1874	1,419,854	610,500	— —	—
" 1875	1,571,854	152,000	— —	—
" 1876	1,606,844	45,000	\$ 55,130.62	\$2.07
" 1877	1,606,854	10,000	58,828.58	2.30
" 1878	1,596,854	— —	61,004.64	2.91
" 1879	1,585,000	— —	64,915.76	3.42
" 1880	1,585,000	— —	55,739.35	2.72
" 1881	1,585,000	— —	58,498.64	2.59
" 1882	1,585,000	— —	61,390.59	2.65
" 1883	1,585,000	— —	64,479.01	2.70
" 1884	1,585,000	— —	67,719.33	2.78
" 1885	*1,525,000	— —	71,305.66	2.87
" 1886	1,525,000	— —	66,894.23	2.57
" 1887	1,525,000	— —	70,252.88	2.56
" 1888	*860,500	25,000	37,000.00	1.28
" 1889	952,500	130,000	38,000.00	1.27
" 1890	1,057,500	150,000	45,000.00	1.38
" 1891	1,045,500	45,000	57,000.00	1.55
" 1892	1,194,500	253,000	104,000.00	2.73
" 1893	1,279,500	222,000	137,000.00	3.27
" 1894	1,344,500	172,000	107,000.00	2.42

* Sinking Fund applied.

YEAR.	VALUATION.	TAX LEVY.	RATE.
1872	\$22,755,325	\$274,374.45	\$13.00
1873	29,643,100	389,214.48	12.80
1874	30,837,700	473,235.50	15.00
1875	31,317,000	518,161.40	16.20
1876	26,573,400	504,745.24	18.60
1877	25,479,400	471,789.14	18.10
1878	20,976,900	409,497.10	19.00
1879	18,950,100	352,553.80	18.00
1880	20,458,100	402,927.71	10.10
1881	22,569,100	452,945.45	19.50
1882	23,162,200	425,721.16	17.80
1883	23,812,900	411,645.43	16.70
1884	24,331,100	418,750.26	16.60
1885	24,878,400	428,605.44	16.60
1886	26,003,200	416,987.28	15.40
1887	27,471,800	424,309.14	14.80
1888	28,765,400	421,458.60	14.00
1889	30,004,600	440,324.40	14.00
1890	32,557,500	447,704.00	14.00
1891	36,843,440	539,137.10	14.00
1892	38,093,100	596,357.50	15.00
1893	41,873,600	675,886.80	15.50
1894	44,142,900	721,165.53	15.70

STATEMENT OF PUBLIC PROPERTY.

The value of the property of the city December 31, 1891, was \$1,685,637.46. The property acquired during the year 1892 was as follows : —

Nathan Tufts Park	.	.	.	.	.	.	\$21,591.45
Edgerly Schoolhouse addition	.	.	.	.	.	.	11,217.50
Water Works extension	.	.	.	.	.	.	34,863.17
Land on Tufts street	.	.	.	.	.	.	2,142.00

The value of the property of the city December 31, 1892, was \$1,752,351.58. The property acquired during the year 1893 was as follows : —

Estate of the First Congregational Society, Central Hill	\$45,000.00
Fire Department, relief engine	3,000.00
Fire Department, land on Highland avenue	2,970.83
Nathan Tufts Park	13,466.33
Schoolhouse in Ward Three (Glines)	1,200.68
Schoolhouse in Ward Four, south side Fitchburg Railroad	3,255.39
Schoolhouse, Edgerly addition	11,825.83
Schoolhouse, Bingham addition	5,710.00
Schoolhouse, English High	2,018.00
Water Works extension	35,545.30
Total amount of property acquired during the year,	<u>\$133,992.36</u>

The value of the property of the city December 31, 1893, including an increase in valuation of old property by the committee of that year amounting to \$104,867.88, was \$1,981,211.82. The property acquired during the year 1894 was as follows : —

Fire Department, central fire station	\$22,286.43
Fire Department, central fire station, electrical apparatus, etc.	2,106.32
Fire Department, chemical engine and equipment	2,498.53
Fire Department, hook and ladder station, Highland avenue	9,232.48
Fire Department, hook and ladder station, equipment and furniture	3,719.00
Fire Department, land for fire station, Ward One	6,000.00
Highways, city stable	10,351.88
Nathan Tufts Park	17,649.28
Schoolhouse, Bingham addition	9,206.87
Schoolhouse, Edgerly addition	1,837.19
Schoolhouse, English High	44,185.33
<i>Amount carried forward</i>	<u>\$129,073.31</u>

<i>Amount brought forward</i>	\$129,073.31
Schoolhouse, English High, heating, ventilating and plumbing	27,797.28
Schoolhouse, O. S. Knapp addition	12,623.46
Schoolhouse, Ward Four, south side Fitchburg Railroad	16,190.10
Water Works extension	28,375.67
	<hr/>
	\$214,059.82

RECAPITULATION OF PUBLIC PROPERTY,

1889 to 1894 inclusive.

Public property December 31, 1888	\$1,287,023.44
Public property acquired in 1889	\$123,637.42
Public property acquired in 1890	136,507.07
Public property acquired in 1891	138,469.53
Total amount of new property	<hr/> 398,614.02
Public property December 31, 1891	\$1,685,637.46
Amount of public property December 31, 1891, as per inventory	\$1,685,637.46
Property acquired in 1892	\$ 66,714.12
Property acquired in 1893	133,992.36
Property acquired in 1894	<hr/> 211,090.86
Total amount of new property	411,797.34
Increase in valuation of old property by committee in 1893	<hr/> 104,867.88
Total amount of public property Dec. 31, 1894	\$2,202,302.68

The unexpended balances of public property accounts, not included in the above, but represented in the funded debt account, amount to \$61,913.77.

Complaint has been made in some quarters that the valuation of the city has been unduly increased during the past three years. This statement is not true. While human judgment is not infallible,

and some property is quite as likely to be undervalued as overvalued, I believe the Board of Assessors is composed of conscientious, discriminating and experienced men. I am inclined to the belief that an unexpected increase of the tax rate has caused more complaint than overvaluation, and that "hard times" has been the most potent cause for complaint. An examination of the treasurer's reports will prove the fact that the percentage valuation during the last three years has not increased, but rather decreased.

The valuation of the city in 1880 was \$20,458,100. It was increased during the four years' term of Mayor Cummings, nineteen per cent.; during the four years' term of Mayor Burns, twenty-one per cent.; during Mayor Pope's administration, twenty-seven per cent., and in the last three years, sixteen per cent. But from last year's valuation should be deducted the valuation of property never before assessed in any administration, including the grounds of the McLean Asylum, used for railroad purposes, making the net increase of valuation on the natural growth of the city, less than fifteen per cent.

During the previous administration the city debt was increased \$185,000. During the past three years, \$299,000.

Of this amount \$100,000 was borrowed before I came into office, but as this administration has been credited with the payment of \$87,500 of this loan, and may possibly have the credit of paying the balance, it is allowed to stand against this administration. Allowing the credit of \$12,500, and deducting the special loan of \$100,000 for paving of Somerville avenue, the debt of the city for ordinary purposes has been increased only \$1,500 over the last administration. A neighboring city with a valuation of \$44,000,000, has a debt of \$3,479,676, or more than two and one-half times that of Somerville.

The value of our public property is \$2,202,302.68, not including the amount of \$61,913.77, not yet paid out, but represented in the funded debt, not to mention the paving loan of \$100,000, or the sum of \$785,000 — the cost of our sewer system. There are but few cities in the Commonwealth whose financial standing is superior to that of Somerville.

The average tax rate of the thirty cities of the State is \$16.18, our tax, \$15.70, being forty-eight cents per thousand below the average and thirty-eight cents below the average tax rate of Somerville since its incorporation. The city tax rate last year was \$13.77, but the

State, and the increased County and Metropolitan Sewer tax, \$1.93, increased the rate to \$15.70. It is expected that the State tax will be less than last year, but I am informed that the County tax will be somewhat increased. It is possible that the Metropolitan Sewer tax will be larger than last year. We begin the year in good financial condition, and all the departments are free from any deficiency.

The number of building permits issued during the year by the Inspector of Buildings has fallen somewhat from that of the previous year. The number of permits for dwellings issued has been 339, but the superintendent informs me that these dwellings are designed for 752 families, classified as follows: Ward One, 39; Ward Two, 208; Ward Three, 256; Ward Four, 249; total, 752. If these families average four persons each, the increase of population at the rate of 3,000 per year can easily be accounted for.

PUBLIC SCHOOLS.

Activity in school building has prevailed during the past year. The Bingham and Knapp Schools have been enlarged, and the George W. Durell School (named in honor of the beloved senior pastor of the city—the dean of Somerville) has been erected. This building was referred to as the “Kent Street School” one year ago. The new English High School, now in course of rapid completion, crowns our Central Hill, and is a credit to all who have been engaged in its construction. The work of finishing the interior is in progress, and the building will be completed and ready for occupancy in a short time. The School Board, it is understood, does not propose to use it until the beginning of the next school year. Appropriations will be required to fit up manual training rooms and to purchase furniture. This money will soon be required in order that everything may be in readiness for use when wanted. Appropriations will also be required for school accommodations. Time will not permit me to dwell at length upon the recent very practical and interesting annual report of the Superintendent of Schools. Indeed, there is no reason why I should do so, because the press is already discussing its merits. The Superintendent has prepared a school map of the city, whereon is located in circular lines each school district, showing the grammar school centres, the location of every schoolhouse, and the territory it is intended to serve; and additional circles are drawn to show the

proper location of all schools to be erected to cover the portions of the city now being built up. The first recommendations are that a new twelve-room grammar school be built in West Somerville in the vicinity of Holland and Jay streets, and that a four or six-room building be erected on the vacant land adjoining the Prescott School on Myrtle street. The advantage of this location is that these buildings can be heated by the same engine and cared for by the same janitor. This plan was suggested in the report one year ago, but no definite action was taken. The report contains recommendations for erection of other schools, but the two mentioned are deemed to be the most important. It gives me pleasure to state that the cost of each pupil in the average membership has been reduced to \$22.90 per annum — seventy-eight cents less than last year, and \$1.03 per pupil less than in 1892. The average expenditure on schools account during the past three years has been reduced more than five per cent.

HIGHWAY DEPARTMENT.

I have annually reviewed at considerable length the work needed to be done upon some of our important thoroughfares, but not as much of it has been undertaken as could be desired, partly by reason of the limited appropriation beyond the cost of maintaining the department. However, extensive repairs have been made on Washington street, from the Fitchburg Railroad to Beacon street; Elm street, from Willow avenue to Cedar street; Medford, from Somerville avenue to railroad crossing; School street, from Berkeley street to Somerville avenue; besides Central, Greenville, Gorham, Claremon, Hudson and New Cross streets. Twenty-one streets have been laid out, and sidewalks, at a cost of more than \$19,000, laid in twenty-seven streets, covering nearly 16,000 square yards with three and one-tenth miles of edgestones. Two miles of private streets have been laid out and accepted. The length of streets, courts and alleys in the city are: Public streets, 51.94 miles; private streets, 32.80 miles; total, 84.74 miles.

During the year the new city stable has been built and occupied. It is commodious and intended to anticipate some of the future needs of this department. Several difficult problems will confront the Highway Committee this year in relation to the best method of placing the principal thoroughfares in good condition. Among these are Somer-

ville avenue, from the East Cambridge line to Medford street ; Washington street, from the Boston line to Medford street ; Medford street, from the East Cambridge line to Somerville avenue, which should, in my opinion, be paved, as it has been literally cut up by excavations for two sewers, two water mains and one gas main, and for these reasons the subsoil is in very bad condition ; Mystic avenue, which the County Commissioners have ordered the city to rebuild and grade — the work to be completed during the present year. The following-named streets need rebuilding or extensive repairs : Highland avenue, from Medford street to Davis square ; Webster avenue, from Cambridge line to the Fitchburg Railroad ; Medford street, from Cross to Highland avenue ; and Gilman square to Magoun square, with parts of Pearl, Summer and Beacon streets. I do not know that it will be possible to do all this work within the limits of the year, but the most important part of it can be accomplished, and the work kept in hand until these and other improvements are made. My opinion is that it is of more importance to repair or rebuild some of these old streets rather than at present to build many of the lately accepted streets, although the Highway Committee must judge as to the prior necessity.

An important subject which should receive your early attention is the question of how to reach that portion of Somerville south of the Fitchburg Railroad and west of Park street — the portion known as the “George W. Durell School district.” The subject of reaching it by an overhead foot-bridge and by a subway was considered by the Highway Committee last year, but no definite result was recorded. The assessed valuation of real estate in that section is \$571,800. It is a section cut off in a large measure from communication with the westerly part of the city. When the new schoolhouse was built, it was for the stated purpose of preventing the scholars from crossing the track at Kent street, but while the children living on the south side are not obliged to cross, the order has been reversed, and the children from the north side who are obliged to attend the new school are forced to cross, and naturally take the shortest path — across the track at Kent street. It seems to me that the subject of building a road-bridge in Kent street should receive your early and favorable consideration.

SEWERS.

The City Engineer has forwarded to me a communication of too great a length to be inserted in this address, in relation to the sewer system of the city and its needs. It will be presented to the City Council at an early day. Two miles of sewers have been built during the past year at a cost of \$15,901.20. The total length of the system is 58.59 miles, and the total cost has been \$785,000.

FIRE DEPARTMENT.

The manual force of this department when complete consists of 102 men, including the acting laddermen on Ladder No. 2, who have not as yet received full appointment, it having been thought best that they should serve a short probationary term. Total permanent men, 22; call men, 80. Nine vacancies now exist in the call force. Eight permanent men were added to the force last year. The importance of a sufficient number of permanent men employed in order that no piece of apparatus will go to a fire without a nucleus of men to put it in immediate operation cannot be denied and should receive the attention of the City Council. One hundred and eight bell alarms and 23 still alarms have been given during the year. The total loss by fire has been \$31,112; insurance on the property amounted to \$63,451.

All the recommendations in relation to this department contained in the inaugural address of 1894 have been carried into effect, viz.: The erection of a central fire station on the Brastow Schoolhouse lot; of a hook and ladder house on Highland avenue; the purchase of a site of a steamer station in Ward One; the purchase of a chemical engine, additional equipments for the new houses and the extension of the fire-alarm system, have been carried into effect. In no year has the Fire Department been provided with such buildings and appliances. It affords me pleasure to have the Chief Engineer say that "the central fire station is in every way equal to that owned by any city in the State, and one in which any citizen can take pride." Prominent citizens have expressed gratification that it is a building erected with the idea "that Somerville has a future."

The Chief Engineer calls attention to the fact that owing to the increasing number of tall buildings and apartment houses, it may soon be necessary to procure an aerial ladder truck. Room for this, as

well as the relief engine, is provided for in the new central fire station. He recommends that a building be erected on the lot of land purchased for that purpose on Broadway, opposite Franklin street, to furnish room for a steam fire engine, wagon and other apparatus. He states that it is needed there, as the gravity water pressure is not maintained when several streams are taken from hydrants. Steam is necessary to furnish effective streams. The department is in effective condition.

POLICE DEPARTMENT.

That this department is admirably conducted may be inferred from the immunity from crime during another year. The faithful and efficient service rendered by the Chief in the execution of the responsible duties of his office has been of great assistance to me. My recommendation of last year for the appointment of three additional patrolmen, and a matron to take exclusive care of female prisoners, was confirmed by the City Council, as that to provide additional boxes and circuits. The force numbers forty-two men, rank and file.

The Chief is of the opinion that a reserve force of six or eight men should be established under the laws, the men to be under pay only when employed. Such a force is needed from which to detail men to take the place of regular men when absent from duty. The usual number of men could thus be kept on duty, and no route or section would be neglected. He wishes to establish a system of keeping a good reserve of the regular men, who, when not on the streets, will be at the station at night or other time of the day for fire and other emergency calls. To carry this into effect, he would need the rooms now occupied by the Somerville Light Infantry. I favor this suggestion. The military company is in need of better accommodations. The Adjutant-General has reduced the rental of the rooms to \$300 per annum for this reason. I recommend that an effort be made to find more suitable quarters for the company. Our citizens look upon the company with commendable pride. It is our only active military organization, and should be provided with more adequate accommodations. The ambulance has been placed in the police department, and already 90 calls have been made for its service.

Mrs. Mary A. Staples was appointed matron, and her calls have been promptly made. She is kind to the female prisoners, and faithful in the discharge of her duties.

There are some patrolmen—two or three in number—who should be provided with some light work, or retired. Their places on the street could be taken by men in the reserve force, should it be established. With this exception the force will compare favorably with any of its numbers in the State.

OVERSEERS OF THE POOR.

During the early part of the year the Board of Overseers of the Poor were actively engaged, owing to the general depression of business, and consequent hard times. Many men were out of employment and required some assistance. The Board has aided 1,188 persons, representing 268 families, an increase of 294 persons and 30 families, compared with 1893.

There are now 56 insane patients in the State lunatic hospitals and private families, and 27 sane persons are being supported in out-of-town almshouses and private families.

The finances of the Board have been well managed, the net expenses of the department being about \$17,000.

The Board at its last meeting expressed the earnest desire that something may be done at the beginning of the present year in regard to providing a suitable house for the unfortunate poor. If an almshouse were ready for occupancy to-day, there are nearly 50 persons who would be admitted at once. The hope of the overseers to obtain an almshouse has been long deferred. Year after year a similar request has been made, but nothing of a definite nature has been accomplished. To my mind there is an element of pathos in the attitude of these successive Boards. They have pleaded for the poor. Some one has said, "The recommendation for an almshouse in Somerville is a safe one to make." These overseers are business men, identified with the interests of Somerville. They have had experience in the care of the poor. Personally, I have no doubt that the present system of boarding out the poor is much the cheaper method. But is it the wisest and most humane method? Is it best for the good name of Somerville? Before making a formal recommendation upon this subject, I suggest that the overseers be authorized to hire a house for the proper accommodation of those needing full support, if a suitable one can be found in the city.

During the year many persons have been aided with money, clothing and work, and others kept from pauperism and city relief by the Board of Associated Charities, organized a little more than a year ago. This body dispenses in a practical and effective manner the private contributions of the charitable. It receives no appropriation from the city, but labors in harmony with all organizations for the relief of the indigent.

SOMERVILLE MYSTIC WATER BOARD.

This Board has been actively employed during the year in the regular work of the department, and in relaying with cast-iron pipe nearly five miles of streets, replacing old cement pipe of sizes ranging from two to eight inches. The length of pipe extended is about two and one-fourth miles. The net increase of hydrants set has been 61, or nearly twice the net increase for 1893, and 361 service pipes have been put in, the total length being 7,890 feet.

The new regulations relative to services, which were adopted by the Board early in 1894, provide for the laying of the pipes to the street line only, thus causing a decrease in number of feet laid from that of previous years.

The work of principal importance has been the relaying with cast-iron pipe of Somerville avenue, from Central street to Elm street, about 1,720 feet; Elm street, from Somerville avenue to Willow avenue, about 2,800 feet; Highland avenue, from Walnut street to Central street, about 2,900 feet; Summer street, from Preston street to Cherry street, extending the same to Willow avenue, about 5,000 feet; Marshall street, from Broadway to Pearl street, about 1,675 feet. There has also been laid new pipe in Wallace, Irving, Orchard, Craigie streets and Linden avenue, over 1,000 feet each; and a large number of streets requiring an average of 500 feet each.

ELECTRIC LIGHTS AND LINES.

The Superintendent reports that during the year 30 arc and 21 incandescent lights have been added, and 22 incandescent lights have been discontinued. The number of arc lights added the year before was 41, or 11 more than the number added last year. There are now in use 348 arc, 209 incandescent, and three oil lamps.

The fire alarm has been transferred to the central fire station, the entire upper story being devoted to electrical apartments. A large battery room, capable of holding 1,000 jars, provides for the future growth of the city, and prevents the past crowded condition of the room.

A new eight-circuit repeater has been put in, with two bell circuits combined. The circuits have been increased from three to seven, thus affording a better protection to the city. Formerly, if a break occurred, one third of the city was left unprotected until the trouble on the line could be remedied; now, by arrangement of boxes and lessening of territory covered by each circuit, but a small portion is left unprotected during a break or trouble on the line.

A bell of 3,000 pounds has been placed on the new central fire station; also one on Hook and Ladder No. 2, Highland avenue. Five new alarm boxes have been put in circuit during the year. The fire alarm is one of the best in the State. New boxes are needed in the isolated parts of the city, and a striker to take the place of the bell formerly on the Unitarian Church, now placed on Hook and Ladder No. 2. Either the old or the new High School would be a good location for such a striker. A horse and wagon for use in repairing breaks, conveying material, and dispatch in reaching trouble on the line, is much needed. There is ample room for this team at the central fire station.

SUGGESTIONS AND RECOMMENDATIONS.

In view of the reports of the departments to which I have referred, I recommend to your careful consideration and favorable action : —

1. The request of the School Board for the erection of a twelve-room grammar schoolhouse in West Somerville, on Holland street, near Simpson avenue; the erection of a four or six-room building in connection with the Prescott School; an appropriation of \$3,500 for fitting up the manual training school in the English High School; an appropriation for furnishing the English High School. This school will, in addition, require \$7,500 for teachers' salaries, and \$4,000 for equipment of books and apparatus. As considerable time will be required to manufacture the furniture, it seems desirable that this appropriation should be made as soon as possible.

2. The recommendation of the Superintendent of the Fire Department for the erection of a steamer house on the land on Broadway, purchased for that purpose.

3. The appointment of a special committee to take immediate action to secure for Somerville some of the advantages to be derived from the boulevard proposed by the Metropolitan Park Commission. Both the City Solicitor and Mayor have been endeavoring to secure some considerations of the claims of this city, but an active committee is needed to assist in this work.

4. The organization of a reserve force in the Police Department, and providing another armory for the Somerville Light Infantry. I also recommend that the room occupied by Justice Story in the court building be put in better condition.

5. The paving of Medford street, from the Cambridge line to Somerville avenue, and such action with reference to other streets in that locality as shall commend itself to your good judgment.

6. That an additional appropriation of \$3,000 be made to complete the \$6,000 required to furnish necessary stacks for books in the Public Library, in order that this work may be completed at an early day, and that arrangements be made as soon as possible to provide room that will be imperatively demanded when the stacks are completed. My views on this subject were fully set forth one year ago. I am in hearty sympathy with the project, and at no far distant day I hope to recommend a definite plan with reference to its execution in accordance with the desires of the trustees and the people.

7. The Board of Health will require more money in consequence of the additional work to be performed in the maintenance of a stable. The old city stable has been placed in care of this Board, and the public may be assured that the removal of ashes and offal will be conducted promptly and in a satisfactory manner. The recommendation of the Board of Health of 1892 will be included in the new order of things, and Wyatt's pit will be used as a dumping ground.

NEW CITY HALL.

The views stated in my address one year ago in relation to this subject have undergone no change, and I do not know that I could express them in stronger language, although the condition of affairs is worse to-day than it was at that time. Nothing that I said that day was received with so many manifestations of approval. Whenever the building shall be erected it should be provided for by money borrowed on a long loan. Our \$12 limit does not provide more than enough to meet our current expenses, and the basis of our borrowing capacity does not afford us much more than is needed for the improvements carried into effect on funded debt account. It has been so every year and will so continue. The Legislature has always manifested a willingness to permit cities to borrow on long time, beyond the debt limit, for much needed public improvements. We could not have paved Somerville avenue in one year by any other method.

I believe that the only thing lacking in the public spirit of the citizens of Somerville is the determination to develop and exhibit itself. It must have some centre of attraction. In my opinion it must grow up around this hill and centre here. This is the centre. From the organization of the town and for many years it was the religious centre, here, in this very house. For 42 years it has been the centre of advanced public school education. Since the organization of the city it has been the centre of civil government. Our Public Library is here. The memorials of patriotism should be here. Here, on this very summit,—the Shiloh of the town,—we shall yet witness the development of what is grand and inspiring, and patriotic in the public spirit of Somerville. I commend this subject to your careful consideration.

GENTLEMEN OF THE CITY COUNCIL : —

I have claimed your attention longer than I intended, but not longer than a cursory glance at the affairs our city seems to demand. Much has been omitted, which, perhaps, to your minds, may be regarded of equal, if not superior, importance to the topics I have referred to. They will commend themselves to you as you go forward in the duties which we have now sworn to perform. We came here as citizens, we shall go out public servants. The citizens have

entrusted the welfare of the city to our watchful care and conscientious votes, and we have accepted the trust. Let none of us disappoint any who have placed confidence in us. I look forward with great hope, and at the same time, deep solicitude. Many problems yet unsolved in the public mind await our judicious action. The tendency is always strong to legislate along the lines of ward limits. Naturally we are glad to do pleasant things for the benefit of neighbors and friends, but now that we have subscribed to the oath of office, we are expected to act for the best interest of the entire city. The welfare of the city is the welfare of all the wards. The city is greater than the wards. The city is not made up of, but is divided into wards. The greater includes the less. The city is the unit. Somerville claims us now. Somerville, with its teeming population, with all its great and multiplied interests, Somerville—its good name, its reputation, its municipal honor—demands all that is best in us. We will sink all personal and local considerations, and labor, doing with our might what our hands find to do, early and late, in the storms of misunderstanding and prejudice, if they befall us, as well as in the pleasant sunlight of appreciated service, remembering that “whosoever will be the chiefest shall be servant of all.”

REPORT
OF THE
TREASURER AND COLLECTOR
OF TAXES.

CITY OF SOMERVILLE.

IN BOARD OF ALDERMEN, January 30, 1895.

Referred to Committee on Finance, and sent down for concurrence.

GEORGE I. VINCENT, *Clerk*.

IN COMMON COUNCIL, January 30, 1895.

Referred to Committee on Finance, in concurrence.

CHARLES S. ROBERTSON, *Clerk*.

CITY OF SOMERVILLE.

IN COMMITTEE ON FINANCE, February 13, 1895.

TO THE CITY COUNCIL OF SOMERVILLE: —

In accordance with the provisions of the ordinance (chapter 4, section 10), providing for the annual examination and audit of the accounts of the treasurer and collector of taxes, the committee on finance have examined the report of the treasurer, referred to them by the city council, complying also with section 5, of the same ordinance, for the examination of the books, accounts, papers, vouchers, and documents of the auditor and city treasurer, comparing and verifying them with the certificates transmitted to them from the city clerk, committees, boards, and officers of the city responsible for the receipts of public funds. The cash account of the treasurer has been verified by the actual count of the cash on hand, and the balances reported to be in the banks of deposit have been confirmed by the officers of the several banks. All the members of the committee devoted the day to the examination of the report, which has been found to be correct. We recommend that this report be accepted, and printed in the annual reports of 1894.

The committee desire to express their thanks to the city treasurer for the assistance rendered by him during this protracted examination, and to testify to the faithful manner in which he has discharged the duties of his office, his careful attention to its details, and the excellent condition of his books and accounts.

WM. H. HODGKINS,	}	<i>Committee.</i>
CALVIN H. WHITNEY,		
MELVILLE D. JONES,		
L. HERBERT HUNTLEY,		
A. C. FAIRBANKS,		
FRED'K W. PARKER,		
HERBERT L. CLARK,		
HOWARD D. MOORE,		

CITY OF SOMERVILLE.

TREASURER'S OFFICE, January 17, 1895.

TO THE HONORABLE, THE MAYOR AND CITY COUNCIL OF THE CITY
OF SOMERVILLE : —

Gentlemen,—The undersigned presents herewith the twenty-third annual report of the financial condition of the city, and a statement showing, in detail, the receipts and disbursements for the year ending December 31, 1894.

The value of the property of the city December 31, 1893, was \$1,981,211.82. The property acquired during the year was as follows :

Fire Department, Central Fire Station, Brastow School lot	\$ 22,286.43
Fire Department, Central Fire Station, electrical apparatus and furniture	2,106.32
Fire Department, chemical engine and equipment	2,498.53
Fire Department, Hook and Ladder Station, Highland avenue	9,232.48
Fire Department, Hook and Ladder Station, equipment and furniture	3,719.00
Fire Department, land for Fire Station, Ward One	6,000.00
Highways, City Stable	10,351.88
Nathan Tufts Park	17,649.28
Schoolhouse, Bingham Addition	9,206.87
Schoolhouse, Edgerly Addition	1,837.19
Schoolhouse, English High	44,185.33
Schoolhouse, High and English High, heating, ventilating and plumbing	27,797.28
<i>Amount carried forward</i>	<u>\$156,870.59</u>

<i>Amount brought forward</i>	\$156,870.59
Schoolhouse, O. S. Knapp Addition	12,623.46
Schoolhouse, Ward Four, south side Fitchburg R. R.	16,190.10
Water Works Extension	28,375.67
<hr/>	
Total amount of property acquired during the year	\$214,059.82
Making the value of the public property, December 31, 1894, as per Table A, \$2,195,271.64.	

The Funded Debt, December 31, 1893, as per Table B of the last annual report, was \$1,279,500.00.

The debt was increased during the year by appropriations as follows :

Fire Department, Central Fire Station	\$ 26,000.00
Fire Department, Central Fire Station, electrical apparatus, etc.	5,250.00
Fire Department, chemical engine and equipment	3,000.00
Fire Department, Hook and Ladder Station	10,000.00
Fire Department, Hook and Ladder Station, equip- ment, etc.	3,750.00
Fire Department, land for Fire Station, Ward One	6,000.00
Highways, City Stable	14,500.00
Nathan Tufts Park	15,000.00
Public Library Improvement	3,000.00
Schoolhouse, Bingham Addition	1,000.00
Schoolhouse, Edgerly Addition	2,000.00
Schoolhouse, High and English High, heating, ven- tilating, etc.	35,000.00
Schoolhouse, O. S. Knapp Addition	15,500.00
Schoolhouse, Ward Four, south side Fitchburg R. R.	12,000.00
Sewers, Construction	20,000.00
<hr/>	
Total amount of appropriations on Funded Debt account	\$172,000.00

For which the following bonds were issued, viz. :

City Loan Bonds Nos. 1582 to 1592, payable 1895, interest 4 per cent.	\$11,000.00
City Loan Bonds Nos. 1593 to 1673, \$9,000 payable annually 1896 to 1904, interest 4 per cent. .	81,000.00
City Loan Bonds Nos. 1674 to 1733, \$6,000 payable annually 1905 to 1914, interest 4 per cent. .	60,000.00
City Loan Sewer Bonds Nos. 54 to 73, \$1,000 pay- able annually 1895 to 1914, interest 4 per cent.	20,000.00
	<hr/>
Making the total amount of bonds issued in 1894 .	\$172,000.00

The following bonds became due and were paid during the year,
viz. :

City Loan Bonds Nos. 1234 to 1243, interest 4 per cent.	\$10,000.00
City Loan Bonds Nos. 887 to 909, interest 4 per cent.	23,000.00
City Loan Bonds Nos. 934 to 938, interest 4 per cent.	5,000.00
City Loan Bonds Nos. 1033 to 1042, interest 4 per cent.	10,000.00
City Loan Bonds Nos. 1115 to 1118, interest 4 per cent.	4,000.00
City Loan Bonds Nos. 1161 to 1167, interest 4 per cent.	7,000.00
City Loan Bonds Nos. 1325 to 1348, interest 4½ per cent.	24,000.00
City Loan Sewer Bond No. 36, interest 4½ per cent.	1,000.00
City Loan Paving Bonds Nos. 6 to 10, interest 4 per cent.	5,000.00
Water Loan Bonds No. 283, interest 4 per cent. .	1,000.00
Water Loan Bonds Nos. 100 to 111, interest 5 per cent.	12,000.00
	<hr/>
<i>Amount carried forward</i>	\$102,000.00

<i>Amount brought forward</i>	\$102,000.00
Water Loan Bonds Nos. 315 to 317, interest 4 per cent.	3,000.00
Water Loan Bonds Nos. 399 to 400, interest 4 per cent.	2,000.00
<hr/>	
Making the total amount of bonds paid during the year	\$107,000.00
And leaving the net Funded Debt, December 31, 1894, as per Table B, \$1,344,500.00.	

RESOURCES.

Assessors' warrant for the tax levy, assessed upon the polls and estates of the inhabitants, as follows, viz. :

Real Estate, valuation	\$40,598,900.00
Personal Property, valuation	3,544,000.00

Total valuation	\$44,142,900.00
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A rate of \$15.70 on \$1,000 valuation, with 14,061 polls at \$2 each, gives the total amount of tax levy	\$721,165.53
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Borrowed on Funded Debt account to provide for the cost of public improvements	172,000.00
Revenue from the Water Works	83,401.30
National Bank and Corporation taxes	22,225.59
Received from County Treasurer for Dog Licenses	2,710.90
Received from all other sources	56,643.95
Unexpended balances from 1893	100,083.73

Total amount of resources	\$1,158,231.00
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The appropriations, credits, and balances of the various accounts were as follows :

Accounts.	Appropriations.	Credits.	Expenditures and Balances.
Fire Department : —			
Appropriation	\$ 43,000.00		
Received for old materials, etc.		\$136.74	
Expenditures			\$48,098.48
Deficiency			4,961.74

Accounts.	Appropriations.	Credits.	Expenditures and Balances.
Fire Department, Central Fire Station, Brastow School lot : —			
Appropriation, Funded Debt account . . .	\$26,000.00		
Expenditures . . .			\$22,286.43
Balance to be expended in 1895			3,713.57
Fire Department, Central Fire Station, Electrical Apparatus and Fur- niture : —			
Appropriation, Funded Debt account . . .	5,250.00		
Expenditures . . .			2,106.32
Balance to be expended in 1895			3,143.68
Fire Department, Chemi- cal Engine and Equipment : —			
Appropriation, Funded Debt account . . .	3,000.00		
Expenditures . . .			2,498.53
Balance to be expended in 1895			501.47
Fire Department, Hook and Ladder Station, Highland avenue : —			
Appropriation, Funded Debt account . . .	10,000.00		
Expenditures . . .			9,232.48
Balance to be expended in 1895			767.52

Accounts.	Appropriations.	Credits.	Expenditures and Balances.
Fire Department, Hook and Ladder Station, Highland avenue, Equipment and Fur- niture : —			
Appropriation, Funded			
Debt account . . .	\$3,750.00		
Expenditures . . .			\$3,719.00
Balance to be expended in 1895			31.00
Fire Department, Land for Fire Station, Ward One : —			
Appropriation . . .	6,000.00		
Expended			6,000.00
Health Department : —			
Appropriation . . .	12,000.00		
Received for permits, licenses, etc. . . .		\$475.19	
Expenditures . . .			17,917.73
Deficiency			5,442.54
Highways : —			
Appropriation . . .	60,000.00		
Received for labor and materials		8,789.77	
Expenditures . . .			68,298.58
Unexpended balance .			491.19
Highways, City Stable : —			
Appropriation, Funded			
Debt account . . .	14,500.00		
Expenditures . . .			10,351.88
Balance to be expended in 1895			4,148.12

Accounts.	Appropriations.	Credits.	Expenditures and Balances.
Highways, Paving Wash- ington street : —			
Expenditures . . .			\$406.91
Deficiency			406.91
Indigent Soldiers and Sail- ors : —			
Appropriation . . .	\$500.00		
Received of State of Massachusetts . . .		\$296.00	
Expended			592.00
Unexpended balance .			204.00
Interest : —			
Appropriation . . .	65,000.00		
Received interest on taxes, etc. . . .		14,776.82	
Expenditures . . .			54,189.42
Unexpended balance .			25,586.80
Miscellaneous : —			
Appropriation . . .	6,600.00		
Received for costs on taxes, licenses, etc. .		4,798.21	
Expenditures . . .			13,732.11
Deficiency			2,333.90
Nathan Tufts Park : —			
Appropriation, Funded Debt account . . .	15,000.00		
Transferred from Over- lay and Abatement ac- count	385.17		
Expenditures . . .			17,649.28
Deficiency			2,264.11

Accounts.	Appropriations.	Credits.	Expenditures and Balances.
Police : —			
Appropriation . . .	\$25,000.00		.
Received bank and cor- poration taxes . . .		\$22,225.59	
Received court fees, fines, etc.		5,806.25	
Expenditures . . .			\$50,323.39
Unexpended balance .			2,708.45
Police Station Incident- als : —			
Appropriation . . .	3,500.00		
Transferred from School- house Incidentals ac- count	600.00		
Received for rent, etc. .		307.00	
Expenditures . . .			4,966.80
Deficiency			559.80
Printing and Stationery : —			
Appropriation . . .	6,500.00		
Expenditures . . .			6,177.79
Unexpended balance .			322.21
Public Grounds : —			
Appropriation . . .	4,500.00		
Received for labor, etc.		18.00	
Expenditures . . .			4,705.94
Deficiency			187.94
Public Library : —			
Balance from 1893 . .		23.36	
Appropriation . . .	6,500.00		
Received for dog licens- es, fines, etc.		3,044.12	
Expenditures . . .			9,557.93
Balance to be expended in 1895			9.55

Accounts.	Appropriations.	Credits.	Expenditures and Balances.
Public Library Improve- ment : —			
Appropriation, Funded			
Debt account . . .	\$3,000.00		
Balance to be expended in 1895			\$3,000.00
Reduction of Funded Debt : —			
Appropriation . . .	100,000.00		
Balance from 1893 . .		\$5,912.07	
Received income of Water Works, etc. . .		10,344.80	
Expended			107,000.00
Balance to be expended in 1895			9,256.87
Relief and Burial of Indi- gent Soldiers and Sail- ors : —			
Appropriation . . .	4,000.00		
Received of State of Massachusetts . . .		140.00	
Expenditures . . .			5,580.06
Deficiency			1,440.06
Salaries : —			
Appropriation . . .	35,400.00		
Expenditures . . .			38,045.03
Deficiency			2,645.03
School Contingent : —			
Appropriation . . .	16,000.00		
Received for tuition of non-resident pupils, etc.		174.23	
Expenditures . . .			16,026.10
Unexpended balance .			148.13

Accounts.	Appropriations.	Credits.	Expenditures and Balances.
School Contingent, Jani- tors' Salaries : —			
Appropriation . .	\$11,000.00		
Expenditures . .			\$10,686.13
Unexpended balance .			313.87
School Fuel : —			
Appropriation . .	9,000.00		
Received for fuel sold .		\$26.75	
Expenditures . .			8,948.12
Unexpended balance .			78.63
Schoolhouse, Bingham Ad- dition : —			
Appropriation, Funded Debt account . .	1,000.00		
Balance from 1893 .		8,290.00	
Expenditures . .			9,206.87
Unexpended balance .			83.13
Schoolhouse, Edgerly Addi- tion : —			
Appropriation, Funded Debt account . .	2,000.00		
Balance from 1893 .		456.67	
Expenditures . .			1,837.19
Balance to be expended in 1895			619.48
Schoolhouse, English High : —			
Balance from 1893 .		81,482.00	
Expenditures . .			44,185.33
Balance to be expended in 1895			37,296.67

Accounts.	Appropriations.	Credits.	Expenditures and Balances.
Schoolhouse, High and English High, heating, ventilating and plumb- ing : —			
Appropriations, Funded			
Debt account . . .	\$35,000.00		
Expenditures . . .			\$27,797.28
Balance to be expended in 1895			7,202.72
Schoolhouse Incident- als : —			
Appropriation (less \$600 transferred) . . .	11,400.00		
Received insurance pre- mium, etc. . . .		\$112.80	
Expenditures . . .			15,122.39
Deficiency			3,609.59
Schoolhouse, O. S. Knapp Addition : —			
Appropriation, Funded			
Debt account . . .	15,500.00		
Expenditures . . .			12,623.46
Balance to be expended in 1895			2,876.54
Schoolhouse, Ward Four, south side F. R. R. : —			
Appropriation, Funded			
Debt account . . .	12,000.00		
Balance from 1893 . .		4,244.61	
Expenditures . . .			16,190.10
Balance to be expended in 1895			54.51

	Accounts.	Appropriations.	Credits.	Expenditures and Balances.
School Teachers' Sal- aries : —				
Appropriation	. .	\$125,000.00		
Expenditures	. .			\$128,755.39
Deficiency	. . .			3,755.39
Sewers, Construction : —				
Appropriation, Funded				
Debt account	. .	20,000.00		
Balance from 1893	. .		\$256.75	
Expenditures (less assess- ments \$12,112.61)	. .			13,312.18
Received for permits, etc.	. . .		1,033.50	
Balance to be expended in 1895	. . .			7,978.07
Sewers, Maintenance : —				
Appropriation	. .	7,000.00		
Received for labor, etc.			95.33	
Expenditures	. .			7,260.05
Deficiency	. . .			164.72
Sidewalks : —				
Appropriation	. .	10,000.00		
Received for edgestones			88.34	
Expenditures (less assess- ments \$9,817.31)	. .			10,051.58
Unexpended balance	. .			36.76
Street Lights : —				
Appropriation	. .	44,000.00		
Received for old lanterns			165.00	
Expenditures	. .			42,955.84
Unexpended balance	. .			1,209.16

Accounts.	Appropriations.	Credits.	Expenditures and Balances.
Support of Poor : —			
Appropriation . . .	\$15,000.00		
Received for aid furnished, etc. . . .		\$3,368.64	
Expenditures . . .			\$19,733.13
Deficiency			1,364.49
Water Loan Interest : —			
Received of City of Boston, water rates . .		15,415.00	
Expenditures			15,415.00
Water Maintenance : —			
Received from City of Boston, water rates . .		32,500.00	
Received for labor and materials		196.93	
Received from Water Service account . . .		147.65	
Deficiency balance from 1893			596.67
Expenditures			31,936.90
Balance to be expended in 1895			311.01
Watering Streets : —			
Appropriation	7,000.00		
Received of abutters . .		8,026.02	
Expenditures			14,975.57
Unexpended balance . .			50.45
Water Works Extension : —			
Balance from 1893 . . .		14.94	
Received from City of Boston, water rates . .		30,000.00	
Received for labor and materials		1,857.39	
Expenditures			30,233.06
Balance to be expended in 1895			1,639.27

Accounts.	Appropriations.	Credits.	Expenditures and Balances.
State of Massachusetts : —			
Appropriation . . .	\$31,380.00		
Expended, State tax			\$31,380.00
State of Massachusetts, Metropolitan Sewer : —			
Appropriation . . .	22,230.79		
Expended, Sewer tax .			22,230.79
State of Massachusetts, Non-resident Bank Stock : —			
Appropriation . . .	847.80		
Expended, Non-resident tax			847.80
County of Middlesex : —			
Appropriation . . .	34,317.59		
Expended, County tax			34,317.59
Overlay and Abatement : —			
Appropriation \$3,889.35			
Transferred to Nathan Tufts Park account 385.17			
	3,504.18		
Received for taxes .		\$19.60	
Applied and to be ap- plied to abatements on taxes			3,523.78
	<u>\$893,165.53</u>	<u>\$265,065.47</u>	<u>\$1,158,231.00</u>
	265,065.47		
	<u>\$1,158,231.00</u>		<u>\$1,158,231.00</u>

RECAPITULATION.

Appropriations as per tax		
levy	\$721,165.53	
Appropriations, Funded		
Debt account	172,000.00	
Received revenue from		
Water Works	83,401.30	
Received National Bank		
and Corporation taxes	22,225.59	
Received from County		
Treasurer for Dog Li-		
censes	2,710.90	
Balances from 1893 . . .	100,083.73	
Received from all other		
sources	56,643.95	
Expenditures .		\$1,072,987.72
Deficiency balances of 1893		596.67
Unexpended balances to		
1895		82,550.05
Excess and Deficiency . .		2,096.56
	<u>\$1,158,231.00</u>	<u>\$1,158,231.00</u>

The assets of the city available for the payment of its unfunded liabilities are as follows : —

Cash	\$ 37,713.22
Overlay and abatement	4,073.85
Real estate liens	964.70
Sewer assessments	10,353.10
Sidewalks assessments	4,989.79
State of Massachusetts, Burial of Indigent Soldiers	
and Sailors	157.50
State of Massachusetts, Indigent Soldiers and Sailors	282.00
State of Massachusetts, State aid	7,312.00
Taxes	226,708.28
Water Service assessments	84.40
Total amount of available assets	<u>\$292,638.84</u>

The liabilities are : —

Fire Department, Central Fire Station	\$ 3,713.57
Fire Department, Central Fire Station, equipment and furniture	3,143.68
Fire Department, chemical engine and equipment	501.47
Fire Department, Hook and Ladder Station, Highland avenue	767.52
Fire Department, Hook and Ladder Station, equip- ment and furniture	31.00
Highways, City Stable	4,148.12
Overplus on Tax Sales	102.13
Public Library	9.55
Public Library Improvement	3,000.00
Reduction of Funded Debt	9,256.87
Schoolhouse, Edgerly Addition	619.48
Schoolhouse, English High	37,296.67
Schoolhouse, High and English High, heating, venti- lating and plumbing	7,202.72
Schoolhouse, O. S. Knapp Addition	2,876.54
Schoolhouse, Ward Four, south side F. R. R.	54.51
Sewers, Construction	7,978.07
Sundry Persons	1,890.10
Temporary Loans	206,000.00
Water Maintenance	311.01
Water Works Extension	1,639.27
Total amount of unfunded liabilities	<u>\$290,542.28</u>
Excess of available assets over unfunded liabilities	<u>2,096.56</u>
	<u><u>\$292,638.84</u></u>

The financial condition of the city, exclusive of its public property, is as follows :

City Loan Bonds bearing interest at 4 per cent.	\$444,000.00
“ “ “ “ “ “ 4½ per cent.	233,000.00
“ “ “ “ “ “ 5 “ “	165,000.00
<i>Amount carried forward</i>	<u><u>\$842,000.00</u></u>

<i>Amount brought forward</i>	\$842,000.00
City Loan Paving Bonds bearing interest at 4 per cent.	90,000.00
City Loan Sewer Bonds " " " 4 " "	20,000.00
City Loan Sewer Bonds bearing interest at $4\frac{1}{2}$ per cent.	17,000.00
City Loan Sewer Bonds bearing interest at 5 per cent.	35,000.00
Water Loan Bonds bearing interest at 4 per cent.	248,000.00
" " " " " 5 " "	82,500.00
" " " " " $5\frac{1}{2}$ per cent.	10,000.00
Total Funded Debt, city loan \$1,004,000.00	
" " " water loan 340,500.00	
	<hr/>
	\$1,344,500.00
Total cash receipts for the year, including a balance of \$53,488.07 from the year 1893	\$1,705,670.15
Total cash disbursements	1,667,956.93
	<hr/>
Leaving in the treasury the sum of	\$37,713.22

A detailed statement of the public property, funded debt, and the receipts and disbursements of the various accounts will be found in the following appendix.

Respectfully submitted,

JOHN F. COLE,

Treasurer and Collector of Taxes.

APPENDIX TO TREASURER AND COLLECTOR'S REPORT.

TABLE A.

PUBLIC PROPERTY DECEMBER 31, 1894.

Central Hill land (13 acres, 5,032 feet)	.	.	\$200,000.00
City Hall	.	.	\$12,000.00
Furniture	.	.	3,000.00
			15,000.00
Public Library building	.	.	25,000.00
Public Library	.	.	25,000.00
			50,000.00
Central Fire Station	.	.	10,000.00
Furniture	.	.	500.00
Engine No. 1 and apparatus	.	.	4,000.00
Hose wagon and apparatus	.	.	2,000.00
			16,500.00
High Schoolhouse	.	.	40,000.00
Furniture	.	.	3,500.00
Philosophical apparatus	.	.	500.00
			44,000.00
Prescott Schoolhouse, land (21,444 feet) and building	.	.	45,000.00
Furniture	.	.	2,000.00
			47,000.00
Luther V. Bell Schoolhouse, land (23,396 feet) and building	.	.	45,000.00
Furniture	.	.	2,000.00
			47,000.00
<i>Amount carried forward</i>	.	.	\$419,500.00

<i>Amount brought forward</i>	.	.	.	.	\$419,500.00
Forster Schoolhouse, land (27,499 feet) and building	.	.	.	.	\$45,000.00
Furniture	.	.	.	.	2,000.00
					<hr/> 47,000.00
Morse Schoolhouse, land (29,109 feet) and building	.	.	.	.	45,000.00
Furniture	.	.	.	.	2,000.00
					<hr/> 47,000.00
Edgerly Schoolhouse, land (26,428 feet) and building	.	.	.	.	45,000.00
Furniture	.	.	.	.	2,000.00
					<hr/> 47,000.00
Highland Schoolhouse, land (23,260 feet) and building	.	.	.	.	46,837.19
Furniture	.	.	.	.	2,000.00
					<hr/> 48,837.19
Charles G. Pope Schoolhouse, land (27,236 feet) and building	.	.	.	.	60,000.00
Furniture	.	.	.	.	2,000.00
					<hr/> 62,000.00
Jacob T. Glines Schoolhouse, land (28,800 feet) and building	.	.	.	.	45,000.00
Furniture	.	.	.	.	1,400.00
					<hr/> 46,400.00
O. S. Knapp Schoolhouse, land (24,517 feet) and building	.	.	.	.	44,023.46
Furniture	.	.	.	.	2,000.00
					<hr/> 46,023.46
Bingham Schoolhouse, land (21,017 feet) and building	.	.	.	.	36,506.87
Furniture	.	.	.	.	1,400.00
					<hr/> 37,906.87
Davis Schoolhouse, land (38,152 feet) and building	.	.	.	.	25,000.00
Furniture	.	.	.	.	700.00
					<hr/> 25,700.00
<i>Amount carried forward</i>	.	.	.	.	<hr/>\$827,367.52

<i>Amount brought forward</i>		\$827,367.52	
George W. Durell Schoolhouse, land (13,883 feet) and building	\$15,490.10		
Furniture	700.00		
	<hr/>		16,190.10
Cummings Schoolhouse, land (11,300 feet) and building	15,000.00		
Furniture	700.00		
	<hr/>		15,700.00
Prospect Hill Schoolhouse, land (25,315 feet) and building	20,000.00		
Furniture	1,000.00		
	<hr/>		21,000.00
Lincoln Schoolhouse, land (17,662 feet) and building	14,000.00		
Furniture	700.00		
	<hr/>		14,700.00
Jackson Schoolhouse, land (11,212 feet) and building	8,000.00		
Furniture	600.00		
	<hr/>		8,600.00
Bennett Schoolhouse, land (20,560 feet) and building	10,000.00		
Furniture	600.00		
	<hr/>		10,600.00
Webster Schoolhouse, land (11,050 feet) and building	8,000.00		
Furniture	600.00		
	<hr/>		8,600.00
Harvard Schoolhouse, land (9,810 feet) and building	3,500.00		
Furniture	100.00		
	<hr/>		3,600.00
Franklin Schoolhouse, land (33,017 feet) and building	15,000.00		
Furniture	600.00		
	<hr/>		15,600.00
<i>Amount carried forward</i>			<hr/>
		\$941,957.62	

<i>Amount brought forward</i>					\$941,957.62
Beech Street Schoolhouse, land (6,000 feet) and building				\$4,500.00	
Furniture				300.00	
				<hr/>	4,800.00
Spring Hill Schoolhouse, land (4,991 feet) and building				1,500.00	
Furniture				100.00	
				<hr/>	1,600.00
Burns Schoolhouse, land (16,080 feet) and building				15,000.00	
Furniture				700.00	
				<hr/>	15,700.00
City Farm, land (10 acres, 12,523 feet)					40,000.00
Cedar Street Schoolhouse				700.00	
Furniture				100.00	
				<hr/>	800.00
City Stables and dwelling-houses					17,351.88
Equipments for highway repairs					15,000.00
Watering carts and sheds					5,000.00
No. 1 Fire Station, land (4,312 feet) and building				2,500.00	
Furniture				400.00	
Hose wagon No. 1 and apparatus				1,500.00	
				<hr/>	4,400.00
No. 2 Fire Station, land (5,400 feet) and building				8,000.00	
Furniture				400.00	
Hose wagon No. 2 and apparatus				1,500.00	
				<hr/>	9,900.00
No. 3 Fire Station, land (5,226 feet) and building				9,000.00	
Furniture				400.00	
Hose wagon No. 3 and apparatus				1,500.00	
Hook and ladder, truck and apparatus				3,400.00	
				<hr/>	14,300.00
<i>Amount carried forward</i>					\$1,070,809.50

<i>Amount brought forward</i>		\$1,070,809.50
No. 4 Fire Station, land (9,100 feet)		
and building	\$12,000.00	
Furniture	400.00	
Engine No. 4 and apparatus	4,000.00	
Combination wagon and apparatus	2,500.00	
	<hr/>	18,900.00
No. 5 Fire Station, land (39,456 feet)		
and building	16,000.00	
Furniture	400.00	
Hose wagon No. 5 and apparatus	1,500.00	
	<hr/>	17,900.00
Hook and Ladder Station No. 2, land (9,902.7 square feet) and building, equipment and furniture (unfinished)		12,951.48
Central Fire Station, land (10,019 feet) and building	31,392.75	
Relief engine	3,000.00	
Two relief hose carriages	1,000.00	
One relief hook and ladder	400.00	
Chemical Engine A and equipment	2,498.53	
	<hr/>	38,291.28
Land for fire station, Ward One (8,279 square feet)		6,000.00
Fire-alarm telegraph		25,000.00
Police Station, land (15,232 feet) and building	45,000.00	
Furniture	3,000.00	
	<hr/>	48,000.00
Police-signal system and apparatus		8,000.00
Prospect street, land (7,918 feet) and building		7,000.00
Broadway Park (cost \$212,993.20)		125,000.00
Joy street, land (2,960 feet)		500.00
Walnut Hill, land (10,980 feet)		1,000.00
Elm street, land (18,000 feet)		6,000.00
	<hr/>	
<i>Amount carried forward</i>		\$1,385,35

<i>Amount brought forward</i>	\$1,385,352.26
Holland street, land (5 acres, 6,806 feet)	20,000.00
Gravel land in Waltham (about 35 acres)	15,000.00
Gravel land in Wakefield (about $1\frac{1}{3}$ acres)	5,000.00
Gravel land rear North street (about $5\frac{43}{100}$ acres)	4,000.00
Nathan Tufts Park (about $4\frac{54}{100}$ acres) unfinished	47,649.28
Somerville Water Works cost	635,969.49
Oliver street, land (63,069 feet)	7,500.00
Whipple street, land (15,240 feet)	800.00
English High Schoolhouse (unfinished)	46,203.33
High and English High Schoolhouses, heating, ventila- lating and plumbing (unfinished)	27,797.28
<hr/>	
Total amount of public property	\$2,195,271.64

TABLE B.

FUNDED DEBT DECEMBER 31, 1894.

CITY LOAN BONDS.

DATE.	Number of Bonds.	Rate per cent. of Interest.	When Due.	Denomination.	Amount.
January 1, 1892	1,244 to 1,253	4	Jan. 1, 1895	\$1,000	\$ 10,000
July 1, 1894	1,582 to 1,592	4	July 1, 1895	1,000	11,000
October 1, 1876	190 to 194	5	Oct. 1, 1895	1,000	25,000
October 1, 1876	195 to 334	5	Oct. 1, 1895	1,000	140,000
October 1, 1889	939 to 943	4	Oct. 1, 1895	1,000	5,000
October 1, 1890	1,043 to 1,052	4	Oct. 1, 1895	1,000	10,000
October 1, 1890	1,119 to 1,122	4	Oct. 1, 1895	1,000	4,000
October 1, 1891	1,168 to 1,174	4	Oct. 1, 1895	1,000	7,000
October 1, 1893	1,349 to 1,372	4½	Oct. 1, 1895	1,000	24,000
July 1, 1894	1,593 to 1,601	4	July 1, 1896	1,000	9,000
January 1, 1892	1,254 to 1,263	4	Jan. 1, 1896	1,000	10,000
October 1, 1889	944 to 948	4	Oct. 1, 1896	1,000	5,000
October 1, 1890	1,053 to 1,062	4	Oct. 1, 1896	1,000	10,000
October 1, 1890	1,123 to 1,126	4	Oct. 1, 1896	1,000	4,000
October 1, 1891	1,175 to 1,181	4	Oct. 1, 1896	1,000	7,000
October 1, 1893	1,373 to 1,396	4½	Oct. 1, 1896	1,000	24,000
January 1, 1892	1,264 to 1,273	4	Jan. 1, 1897	1,000	10,000
July 1, 1888	910 to 913	4	July 1, 1897	1,000	4,000
July 1, 1894	1,602 to 1,610	4	July 1, 1897	1,000	9,000
October 1, 1889	949 to 969	4	Oct. 1, 1897	1,000	21,000
October 1, 1890	1,063 to 1,072	4	Oct. 1, 1897	1,000	10,000
October 1, 1890	1,127 to 1,130	4	Oct. 1, 1897	1,000	4,000
October 1, 1891	1,182 to 1,188	4	Oct. 1, 1897	1,000	7,000
October 1, 1893	1,397 to 1,420	4½	Oct. 1, 1897	1,000	24,000
January 1, 1892	1,274 to 1,283	4	Jan. 1, 1898	1,000	10,000
July 1, 1894	1,611 to 1,619	4	July 1, 1898	1,000	9,000
October 1, 1889	970 to 993	4	Oct. 1, 1898	1,000	24,000
<i>Amount</i>	<i>carried forward</i>	.	.	.	\$437,000

TABLE B.—CITY LOAN BONDS.—*Continued.*

DATE.	Number of Bonds.	Rate per cent. of Interest	When Due.	Denomi- nation.	Amount.
<i>Amount brought forward</i>					\$437,000
October 1, 1890	1,073 to 1,082	4	Oct. 1, 1898	\$1,000	10,000
October 1, 1890	1,131 to 1,134	4	Oct. 1, 1898	1,000	4,000
October 1, 1891	1,189 to 1,195	4	Oct. 1, 1898	1,000	7,000
October 1, 1893	1,421 to 1,444	4½	Oct. 1, 1898	1,000	24,000
January 1, 1892	1,284 to 1,293	4	Jan. 1, 1899	1,000	10,000
July 1, 1894	1,620 to 1,628	4	July 1, 1899	1,000	9,000
October 1, 1889	994 to 1,002	4	Oct. 1, 1899	1,000	9,000
October 1, 1890	1,083 to 1,092	4	Oct. 1, 1899	1,000	10,000
October 1, 1890	1,135 to 1,138	4	Oct. 1, 1899	1,000	4,000
October 1, 1891	1,196 to 1,202	4	Oct. 1, 1899	1,000	7,000
October 1, 1893	1,445 to 1,468	4½	Oct. 1, 1899	1,000	24,000
January 1, 1892	1,294 to 1,303	4	Jan. 1, 1900	1,000	10,000
July 1, 1894	1,629 to 1,637	4	July 1, 1900	1,000	9,000
October 1, 1890	1,093 to 1,102	4	Oct. 1, 1900	1,000	10,000
October 1, 1890	1,139 to 1,142	4	Oct. 1, 1900	1,000	4,000
October 1, 1891	1,203 to 1,208	4	Oct. 1, 1900	1,000	6,000
October 1, 1893	1,469 to 1,492	4½	Oct. 1, 1900	1,000	24,000
January 1, 1892	1,304 to 1,313	4	Jan. 1, 1901	1,000	10,000
July 1, 1894	1,638 to 1,646	4	July 1, 1901	1,000	9,000
October 1, 1890	1,143 to 1,146	4	Oct. 1, 1901	1,000	4,000
October 1, 1891	1,209 to 1,211	4	Oct. 1, 1901	1,000	3,000
October 1, 1893	1,493 to 1,516	4½	Oct. 1, 1901	1,000	24,000
January 1, 1892	1,314 to 1,323	4	Jan. 1, 1902	1,000	10,000
July 1, 1894	1,647 to 1,655	4	July 1, 1902	1,000	9,000
October 1, 1891	1,212 to 1,214	4	Oct. 1, 1902	1,000	3,000
October 1, 1893	1,517 to 1,546	4½	Oct. 1, 1902	1,000	30,000
July 1, 1894	1,656 to 1,664	4	July 1, 1903	1,000	9,000
October 1, 1891	1,215 to 1,217	4	Oct. 1, 1903	1,000	3,000
October 1, 1893	1,547 to 1,581	4½	Oct. 1, 1903	1,000	35,000
July 1, 1894	1,665 to 1,673	4	July 1, 1904	1,000	9,000
<i>Amount carried forward</i>					\$776,000

TABLE B.—CITY LOAN BONDS.—*Concluded.*

DATE.	Number of Bonds.	Rate per cent. of Interest	When Due.	Denomi- nation.	Amount.
<i>Amount brought forward</i>					\$776,000
October 1, 1891	1,218 to 1,220	4	Oct. 1, 1904	\$1,000	3,000
July 1, 1894	1,674 to 1,679	4	July 1, 1905	1,000	6,000
October 1, 1891	1,221 to 1,223	4	Oct. 1, 1905	1,000	3,000
July 1, 1894	1,680 to 1,685	4	July 1, 1906	1,000	6,000
July 1, 1894	1,686 to 1,691	4	July 1, 1907	1,000	6,000
July 1, 1894	1,692 to 1,697	4	July 1, 1908	1,000	6,000
July 1, 1894	1,698 to 1,703	4	July 1, 1909	1,000	6,000
July 1, 1894	1,704 to 1,709	4	July 1, 1910	1,000	6,000
July 1, 1894	1,710 to 1,715	4	July 1, 1911	1,000	6,000
July 1, 1894	1,716 to 1,721	4	July 1, 1912	1,000	6,000
July 1, 1894	1,722 to 1,727	4	July 1, 1913	1,000	6,000
July 1, 1894	1,728 to 1,733	4	July 1, 1914	1,000	6,000
<i>Total amount of City Loan Bonds</i>					\$842,000

TABLE B.—*Continued.*

SEWER LOAN BONDS.

DATE.	Number of Bonds.	Rate per cent. of Interest.	When Due.	Denomination.	Amount.
July 1, 1876	1 to 7	5	July 1, 1896	\$5,000	\$35,000
July 1, 1894	54	4	July 1, 1895	1,000	1,000
October 1, 1893	37	4½	Oct. 1, 1895	1,000	1,000
July 1, 1894	55	4	July 1, 1896	1,000	1,000
October 1, 1893	38	4½	Oct. 1, 1896	1,000	1,000
July 1, 1894	56	4	July 1, 1897	1,000	1,000
October 1, 1893	39	4½	Oct. 1, 1897	1,000	1,000
July 1, 1894	57	4	July 1, 1898	1,000	1,000
October 1, 1893	40	4½	Oct. 1, 1898	1,000	1,000
July 1, 1894	58	4	July 1, 1899	1,000	1,000
October 1, 1893	41	4½	Oct. 1, 1899	1,000	1,000
July 1, 1894	59	4	July 1, 1900	1,000	1,000
October 1, 1893	42	4½	Oct. 1, 1900	1,000	1,000
July 1, 1894	60	4	July 1, 1901	1,000	1,000
October 1, 1893	43	4½	Oct. 1, 1901	1,000	1,000
July 1, 1894	61	4	July 1, 1902	1,000	1,000
October 1, 1893	44	4½	Oct. 1, 1902	1,000	1,000
July 1, 1894	62	4	July 1, 1903	1,000	1,000
October 1, 1893	45	4½	Oct. 1, 1903	1,000	1,000
July 1, 1894	63	4	July 1, 1904	1,000	1,000
October 1, 1893	46	4½	Oct. 1, 1904	1,000	1,000
July 1, 1894	64	4	July 1, 1905	1,000	1,000
October 1, 1893	47	4½	Oct. 1, 1905	1,000	1,000
July 1, 1894	65	4	July 1, 1906	1,000	1,000
October 1, 1893	48	4½	Oct. 1, 1906	1,000	1,000
July 1, 1894	66	4	July 1, 1907	1,000	1,000
October 1, 1893	49	4½	Oct. 1, 1907	1,000	1,000
July 1, 1894	67	4	July 1, 1908	1,000	1,000
October 1, 1893	50	4½	Oct. 1, 1908	1,000	1,000
<i>Amount</i>	<i>carried forward</i>		. . . . .		\$63,000

TABLE B.—SEWER LOAN BONDS.—*Concluded.*

DATE.	Number of Bonds.	Rate per cent. of Interest.	When Due.	Denomination.	Amount.
<i>Amount brought forward</i>					\$63,000
July 1, 1894	68	4	July 1, 1909	\$1,000	1,000
October 1, 1893	51	4½	Oct. 1, 1909	1,000	1,000
July 1, 1894	69	4	July 1, 1910	1,000	1,000
October 1, 1893	52	4½	Oct. 1, 1910	1,000	1,000
July 1, 1894	70	4	July 1, 1911	1,000	1,000
October 1, 1893	53	4½	Oct. 1, 1911	1,000	1,000
July 1, 1894	71	4	July 1, 1912	1,000	1,000
July 1, 1894	72	4	July 1, 1913	1,000	1,000
July 1, 1894	73	4	July 1, 1914	1,000	1,000
<i>Total amount of Sewer Loan Bonds</i>					\$72,000

TABLE B.

WATER LOAN BONDS.

DATE.	Number of Bonds.	Rate per cent. of Interest.	When Due.	Denomination.	Amount.
July 1, 1888	284	4	July 1, 1895	\$1,000	\$ 1,000
July 1, 1882	112 to 124	5	July 1, 1895	1,000	13,000
October 1, 1889	318 to 320	4	Oct. 1, 1895	1,000	3,000
October 1, 1890	401 to 402	4	Oct. 1, 1895	1,000	2,000
July 1, 1882	125 to 136	5	July 1, 1896	1,000	12,000
July 1, 1882	137	5	July 1, 1896	500	500
July 1, 1888	285	4	July 1, 1896	1,000	1,000
October 1, 1889	321 to 323	4	Oct. 1, 1896	1,000	3,000
October 1, 1890	403 to 404	4	Oct. 1, 1896	1,000	2,000
July 1, 1882	138 to 151	5	July 1, 1897	1,000	14,000
July 1, 1888	286	4	July 1, 1897	1,000	1,000
October 1, 1889	324 to 326	4	Oct. 1, 1897	1,000	3,000
October 1, 1890	405 to 406	4	Oct. 1, 1897	1,000	2,000
July 1, 1882	152 to 166	5	July 1, 1898	1,000	15,000
July 1, 1888	287	4	July 1, 1898	1,000	1,000
October 1, 1889	327 to 329	4	Oct. 1, 1898	1,000	3,000
October 1, 1890	407 to 408	4	Oct. 1, 1898	1,000	2,000
July 1, 1882	167 to 181	5	July 1, 1899	1,000	15,000
July 1, 1882	182	5	July 1, 1899	500	500
July 1, 1888	288	4	July 1, 1899	1,000	1,000
October 1, 1889	330 to 342	4	Oct. 1, 1899	1,000	13,000
October 1, 1890	409 to 410	4	Oct. 1, 1899	1,000	2,000
July 1, 1882	183 to 194	5	July 1, 1900	1,000	12,000
July 1, 1882	195	5	July 1, 1900	500	500
July 1, 1888	289	4	July 1, 1900	1,000	1,000
October 1, 1884	200 to 202	4	Oct. 1, 1900	1,000	3,000
October 1, 1889	343 to 344	4	Oct. 1, 1900	1,000	2,000
October 1, 1890	416 to 417	4	Oct. 1, 1900	1,000	2,000
October 1, 1892	a448 to a458	4	Oct. 1, 1900	1,000	11,000
<i>Amount</i>	<i>carried forward</i>		. . . . .	. . .	\$141,500

TABLE B.—WATER LOAN BONDS.—*Continued.*

DATE.	Number of Bonds.	Rate per cent. of Interest.	When Due.	Denomination.	Amount.
<i>Amount brought forward</i>					\$141,500
July 1, 1888	290	4	July 1, 1901	\$1,000	1,000
October 1, 1884	203 to 212	4	Oct. 1, 1901	1,000	10,000
October 1, 1892	459 to 468	4	Oct. 1, 1901	1,000	10,000
July 1, 1885	214 to 219	4	July 1, 1901	1,000	6,000
October 1, 1889	345 to 346	4	Oct. 1, 1901	1,000	2,000
October 1, 1890	418 to 419	4	Oct. 1, 1901	1,000	2,000
July 1, 1885	220 to 226	4	July 1, 1902	1,000	7,000
July 1, 1886	229 to 238	4	July 1, 1902	1,000	10,000
October 1, 1889	347 to 348	4	Oct. 1, 1902	1,000	2,000
October 1, 1890	420 to 421	4	Oct. 1, 1902	1,000	2,000
October 1, 1892	469 to 475	4	Oct. 1, 1902	1,000	7,000
July 1, 1886	239 to 256	4	July 1, 1903	1,000	18,000
October 1, 1889	349 to 350	4	Oct. 1, 1903	1,000	2,000
October 1, 1890	448 to 449	4	Oct. 1, 1903	1,000	2,000
July 1, 1886	257 to 266	4	July 1, 1904	1,000	10,000
October 1, 1889	351 to 352	4	Oct. 1, 1904	1,000	2,000
October 1, 1890	450 to 451	4	Oct. 1, 1904	1,000	2,000
October 1, 1889	353 to 355	4	Oct. 1, 1905	1,000	3,000
October 1, 1890	452 to 453	4	Oct. 1, 1905	1,000	2,000
July 1, 1876	30 to 31	5½	July 1, 1906	1,000	10,000
October 1, 1889	356 to 358	4	Oct. 1, 1906	1,000	3,000
October 1, 1890	454 to 455	4	Oct. 1, 1906	1,000	2,000
July 1, 1886	267 to 276	4	July 1, 1907	1,000	10,000
July 1, 1888	291	4	July 1, 1907	1,000	1,000
October 1, 1889	359 to 361	4	Oct. 1, 1907	1,000	3,000
October 1, 1890	456 to 457	4	Oct. 1, 1907	1,000	2,000
July 1, 1888	292	4	July 1, 1908	1,000	1,000
October 1, 1889	362 to 364	4	Oct. 1, 1908	1,000	3,000
October 1, 1890	458 to 459	4	Oct. 1, 1908	1,000	2,000
July 1, 1888	293	4	July 1, 1909	1,000	1,000
October 1, 1889	365 to 367	4	Oct. 1, 1909	1,000	3,000
<i>Amount carried forward</i>					\$282,500

TABLE B.—WATER LOAN BONDS.—*Concluded.*

DATE.	Number of Bonds	Rate per cent. of Interest.	When Due.	Denomination.	Amount.
<i>Amount brought forward</i>					\$282,500
October 1, 1890	423 to 424	4	Oct. 1, 1909	\$1,000	2,000
July 1, 1888	294	4	July 1, 1910	1,000	1,000
October 1, 1889	368 to 370	4	Oct. 1, 1910	1,000	3,000
October 1, 1890	426 to 427	4	Oct. 1, 1910	1,000	2,000
July 1, 1888	295	4	July 1, 1911	1,000	1,000
October 1, 1889	371 to 373	4	Oct. 1, 1911	1,000	3,000
October 1, 1890	428 to 429	4	Oct. 1, 1911	1,000	2,000
July 1, 1888	296	4	July 1, 1912	1,000	1,000
October 1, 1889	374 to 376	4	Oct. 1, 1912	1,000	3,000
October 1, 1890	430 to 431	4	Oct. 1, 1912	1,000	2,000
July 1, 1888	297	4	July 1, 1913	1,000	1,000
October 1, 1889	377 to 379	4	Oct. 1, 1913	1,000	3,000
October 1, 1890	432 to 433	4	Oct. 1, 1913	1,000	2,000
July 1, 1888	298	4	July 1, 1914	1,000	1,000
October 1, 1889	380 to 382	4	Oct. 1, 1914	1,000	3,000
October 1, 1891	434 to 435	4	Oct. 1, 1914	1,000	2,000
July 1, 1888	299	4	July 1, 1915	1,000	1,000
October 1, 1889	383 to 384	4	Oct. 1, 1915	1,000	2,000
October 1, 1890	436 to 437	4	Oct. 1, 1915	1,000	2,000
July 1, 1888	300	4	July 1, 1916	1,000	1,000
October 1, 1889	385 to 386	4	Oct. 1, 1916	1,000	2,000
October 1, 1890	438 to 439	4	Oct. 1, 1916	1,000	2,000
July 1, 1888	301	4	July 1, 1917	1,000	1,000
October 1, 1889	387 to 388	4	Oct. 1, 1917	1,000	2,000
October 1, 1890	440 to 441	4	Oct. 1, 1917	1,000	2,000
July 1, 1888	302	4	July 1, 1918	1,000	1,000
October 1, 1889	389 to 390	4	Oct. 1, 1918	1,000	2,000
October 1, 1890	442 to 443	4	Oct. 1, 1918	1,000	2,000
October 1, 1889	391 to 392	4	Oct. 1, 1919	1,000	2,000
October 1, 1890	444 to 445	4	Oct. 1, 1919	1,000	2,000
October 1, 1890	446 to 447	4	Oct. 1, 1920	1,000	2,000
<i>Total amount of Water Loan Bonds</i>					\$340,500

TABLE B. — *Continued.*

CITY LOAN PAVING BONDS.

DATE.	Number of Bonds.	Rate per cent. of Interest.	When Due.	Denomination.	Amount.
October 1, 1892	11 to 15	4	Oct. 1, 1895	\$1,000	\$5,000
October 1, 1892	16 to 20	4	Oct. 1, 1896	1,000	5,000
October 1, 1892	21 to 25	4	Oct. 1, 1897	1,000	5,000
October 1, 1892	26 to 30	4	Oct. 1, 1898	1,000	5,000
October 1, 1892	31 to 35	4	Oct. 1, 1899	1,000	5,000
October 1, 1892	36 to 40	4	Oct. 1, 1900	1,000	5,000
October 1, 1892	41 to 45	4	Oct. 1, 1901	1,000	5,000
October 1, 1892	46 to 50	4	Oct. 1, 1902	1,000	5,000
October 1, 1892	51 to 55	4	Oct. 1, 1903	1,000	5,000
October 1, 1892	56 to 60	4	Oct. 1, 1904	1,000	5,000
October 1, 1892	61 to 65	4	Oct. 1, 1905	1,000	5,000
October 1, 1892	66 to 70	4	Oct. 1, 1906	1,000	5,000
October 1, 1892	71 to 75	4	Oct. 1, 1907	1,000	5,000
October 1, 1892	76 to 80	4	Oct. 1, 1908	1,000	5,000
October 1, 1892	81 to 85	4	Oct. 1, 1909	1,000	5,000
October 1, 1892	86 to 90	4	Oct. 1, 1910	1,000	5,000
October 1, 1892	91 to 95	4	Oct. 1, 1911	1,000	5,000
October 1, 1892	96 to 100	4	Oct. 1, 1912	1,000	5,000
<i>Total</i>	<i>amount of</i>	<i>Paving Bonds</i>	.	. .	\$90,000

RECAPITULATION.

City Loan Bonds	..	.	.	.	.	.	\$842,000
Sewer Loan Bonds	.	.	.	.	.	.	72,000
Water Loan Bonds	.	.	.	.	.	.	340,500
City Loan Paving Bonds	.	.	.	.	.	.	90,000
Total amount of Funded Debt	.	.	.	.	.	.	\$1,344,500

TABLE C.

STATEMENT OF ACCOUNTS SHOWING APPROPRIATIONS,
EXPENDITURES, ETC., TO DECEMBER 31, 1894.

APPROPRIATIONS.

	CREDIT.	
Taxes, amount assessed		\$628,500.00
Property and Debt balance		172,000.00
		<hr/>
		\$800,500.00
	DEBIT.	
Fire Department	\$43,000.00	
Fire Department, Central Fire Station	26,000.00	
Fire Department, Central Fire Station, Electrical Apparatus and Furni- ture	5,250.00	
Fire Department, Chemical Engine and Equipment	3,000.00	
Fire Department, Hook and Ladder station, Highland Avenue	10,000.00	
Fire Department, Hook and Ladder Station, Highland Avenue, Equipment, etc.	3,750.00	
Fire Department, Land for Fire Station, Ward One	6,000.00	
Health Department	12,000.00	
Highways	60,000.00	
Highways, City Stable	14,500.00	
Indigent Soldiers and Sailors	500.00	
Interest	65,000.00	
Miscellaneous	6,600.00	
Nathan Tufts Park	15,000.00	
Police	25,000.00	
	<hr/>	
<i>Amounts carried forward</i>	\$295,600.00	\$800,500.00

<i>Amounts brought forward</i> . . .	\$295,600.00	\$800,500.00
Police Station Incidentals . . .	3,500.00	
Printing and Stationery . . .	6,500.00	
Public Grounds . . .	4,500.00	
Public Library . . .	6,500.00	
Public Library Improvement . . .	3,000.00	
Reduction of Funded Debt . . .	100,000.00	
Relief and Burial of Indigent Soldiers and Sailors . . .	4,000.00	
Salaries . . .	35,400.00	
School Contingent . . .	16,000.00	
School Contingent, Janitors' Salaries	11,000.00	
School Fuel . . .	9,000.00	
Schoolhouse, Bingham Addition . . .	1,000.00	
Schoolhouse, Edgerly Addition . . .	2,000.00	
Schoolhouse, High and English High, Heating, Ventilating and Plumbing . . .	35,000.00	
Schoolhouse Incidentals . . .	12,000.00	
Schoolhouse, O. S. Knapp Addition . . .	15,500.00	
Schoolhouse in Ward Four, south side Fitchburg R. R. . . .	12,000.00	
School Teachers' Salaries . . .	125,000.00	
Sewers, Construction . . .	20,000.00	
Sewers, Maintenance . . .	7,000.00	
Sidewalks . . .	10,000.00	
Street Lights . . .	44,000.00	
Support of Poor . . .	15,000.00	
Watering Streets . . .	7,000.00	
	<hr/>	\$800,500.00

CASH.

CREDIT.

County of Middlesex . . .	\$34,317.59
Fire Department . . .	48,098.48
Fire Department, Central Fire Station . . .	22,286.43
<i>Amount carried forward</i> . . .	<hr/> \$104,702.50

<i>Amount brought forward</i>	\$104,702.50
Fire Department, Central Fire Station, Electrical Apparatus and Furniture	2,106.32
Fire Department, Chemical Engine and Equipment	2,498.53
Fire Department, Hook and Ladder Station, Highland Avenue	9,232.48
Fire Department, Hook and Ladder Station, Highland Avenue, Equipment, etc.	3,719.00
Fire Department, Land for Fire Station, Ward One	6,000.00
Funded Debt	107,000.00
Health Department	17,917.73
Highways	68,298.58
Highways, City Stable	10,820.04
Highways, Paving Washington Street	406.91
Indigent Soldiers and Sailors	592.00
Interest	52,809.42
Miscellaneous	13,732.11
Nathan Tufts Park	17,655.28
Police	50,323.39
Police Station Incidentals	4,966.80
Printing and Stationery	6,177.79
Public Grounds	4,705.94
Public Library	9,557.93
Relief and Burial of Indigent Soldiers and Sailors	5,630.06
Salaries	38,045.03
School Contingent	16,026.10
School Contingent, Janitors' Salaries	10,686.13
School Fuel	8,948.12
Schoolhouse, Bingham Addition	9,206.87
Schoolhouse, Edgerly Addition	1,837.19
Schoolhouse, English High	44,185.33
Schoolhouse, High and English High, Heating, Ventilating and Plumbing	27,797.28
Schoolhouse Incidentals	15,122.39
Schoolhouse, O. S. Knapp Addition	12,623.46
Schoolhouse, Ward Four, south side Fitchburg R. R.	16,190.10
<i>Amount carried forward</i>	<u>\$699,520.81</u>

<i>Amount brought forward</i>		\$699,520.81
School Teachers' Salaries		128,779.39
Sewers, Construction		25,191.29
Sewers, Maintenance		7,260.05
Sidewalks		19,837.22
State Aid		7,451.00
State of Massachusetts		31,380.00
State of Massachusetts, Metropolitan Sewer		22,230.79
State of Massachusetts, Non-resident Bank Stock		847.80
Street Lights		42,955.84
Sundry Persons		592.50
Support of Poor		19,733.13
Temporary Loans		563,800.00
Water Loan Interest		15,100.00
Water Maintenance		31,936.90
Water Services		6,131.58
Watering Streets		14,975.57
Water Works Extension		30,233.06
Balance to debit in account 1895		37,713.22
		<hr/>
		\$1,705,670.15

DEBIT.

Balance from 1893	\$53,488.07
City of Boston, Water Rates	83,401.30
Fire Department	136.74
Funded Debt	172,000.00
Health Department	475.19
Highways	8,789.77
Highways, City Stable	468.16
Interest	14,768.27
Miscellaneous	4,789.86
Nathan Tufts Park	6.00
Overlay and Abatement	19.60
Police	28,031.84
Police Station Incidentals	307.00

<i>Amounts carried forward</i>	\$366,681.80	\$1,705,670.15
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<i>Amounts brought forward</i>	\$366,681.80	\$1,705,670.15
Public Grounds	18.00	
Public Library	3,044.12	
Reduction of Funded Debt	4,858.50	
Relief and Burial of Indigent Soldiers and Sailors	50.00	
School Contingent	174.23	
School Fuel	26.75	
Schoolhouse Incidentals	112.80	
School Teachers' Salaries	24.00	
Sewer Assessments	11,359.93	
Sewers, Construction	1,033.50	
Sewers, Maintenance	95.33	
Sidewalks	88.34	
Sidewalk Assessments	9,430.97	
State Aid	15.00	
State of Massachusetts, Burial of In- digent Soldiers and Sailors	17.50	
State of Massachusetts, Indigent Sol- diers and Sailors	374.50	
State of Massachusetts, State Aid	6,736.00	
Street Lights	165.00	
Support of Poor	3,368.64	
Taxes	730,199.17	
Temporary Loans	550,000.00	
Water Maintenance	196.93	
Water Services	737.48	
Water Service Assessments	6,978.25	
Watering Streets	8,026.02	
Water Works Extension	1,857.39	
		<u>\$1,705,670.15</u>

CITY OF BOSTON, WATER RATES.

CREDIT.

Cash, received of City of Boston, return on water rates	\$83,401.30
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Amount brought forward \$83,401.30

DEBIT.

Water Maintenance, amount transferred	\$32,500.00	
Water Works Extension, amount transferred	30,000.00	
Water Loan Interest, amount transferred	15,415.00	
Reduction of Funded Debt, amount transferred	5,486.30	
	<hr/>	<u>\$83,401.30</u>

COUNTY OF MIDDLESEX.

CREDIT.

Taxes, amount assessed	\$34,317.59
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DEBIT.

Cash, paid County Tax	<u>\$34,317.59</u>
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EXCESS AND DEFICIENCY.

CREDIT.

Highways, credit balance of account	\$ 491.19
Indigent Soldiers and Sailors, credit balance of account	204.00
Interest, credit balance of account	25,586.80
Police, credit balance of account	2,708.45
Printing and Stationery, credit balance of account	322.21
School Contingent, credit balance of account	148.13
School Contingent, Janitors' Salaries, credit balance of account	313.87
School Fuel, credit balance of account	78.63
Schoolhouse, Bingham Addition, credit balance of account	83.13

Amount carried forward \$29,936.41

<i>Amount brought forward</i>	\$29,936.41
Sidewalks, credit balance of account	36.76
Street Lights, credit balance of account	1,209.16
Watering Streets, credit balance of account	50.45
	<hr/>
	\$31,232.78

DEBIT.

Fire Department, debit balance of account	\$4,961.74
Health Department, debit balance of account	5,442.54
Highways, Paving Washington Street, debit balance of account	406.91
Miscellaneous, debit balance of account	2,333.90
Nathan Tufts Park, debit balance of account	2,264.11
Police Station Incidentals, debit balance of account	559.80
Public Grounds, debit balance of account	187.94
Relief and Burial of Indigent Soldiers and Sailors, debit balance of account	1,440.06
Salaries, debit balance of account	2,645.03
Schoolhouse Incidentals, debit balance of account	3,609.59
School Teachers' Salaries, debit balance of account	3,755.39
Sewers Maintenance, debit balance of account	164.72
Support of Poor, debit balance of account	1,364.49
Balance to credit in account 1895	2,096.56
	<hr/>
	\$31,232.78

FIRE DEPARTMENT.

CREDIT.

Appropriations, amount assessed		\$43,000.00
Cash, received of Star Brass Manufacturing Co., old materials	\$66.64	
Lorenzo W. Dow, manure	19.00	
New England Telephone & Telegraph Co., rebate on tolls	43.75	
F. D. Weld, discount on bill	1.50	
F. W. Culliton, discount on bill	5.85	
	<hr/>	136.74
Excess and Deficiency, balance to debit in account		4,961.74
		<hr/>
		\$48,098.48

DEBIT.

Cash, paid James R. Hopkins, chief engineer	\$1,650.00	
Nathaniel C. Barker, assistant engineer	600.00	
Henry Byrnes, steamer engineer	1,140.00	
L. D. Bixby, steamer engineer	1,140.00	
Wm. A. Burbank, assistant steam- er engineer	999.96	
Irving C. Jackson, driver	999.96	
Edward Ring, driver	999.96	
Thomas Daley, driver	999.96	
Charles Trull, driver	916.63	
Samuel F. Stevens, driver	999.96	
Melvin C. Ricker, driver	999.96	
George F. Harris, driver	999.96	
John Gillooley, driver	999.96	
Charles H. Stearns, driver	999.96	
William H. Perry, driver	833.30	
Benjamin H. Pond, driver	420.61	
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<i>Amounts carried forward</i>	\$15,700.18	\$48,098.48

<i>Amounts brought forward</i> . . .	\$15,700.18	\$48,098.48
Horace W. Hutchins, driver . . .	174.00	
Clarence V. Cook, driver . . .	140.00	
Wm. H. Whitcomb, driver . . .	40.64	
Edwin T. Trefren, ladderman . . .	54.19	
Richard F. Clarkson, ladderman . . .	780.00	
Frank H. Hersey, hoseman . . .	780.00	
Arthur H. Gilman, hoseman . . .	780.00	
Oscar P. Sheltus, substitute driver . . .	245.42	
James I. King, substitute driver . . .	234.82	
Wallace Tucker, substitute driver . . .	27.10	
Joseph H. Cribby, substitute driver . . .	28.00	
Watson H. Davis, substitute driver . . .	28.00	
George L. Blackbird, janitor . . .	600.00	
Steamer Company No. 1, callmen . . .	1,166.00	
Steamer Company No. 4, callmen . . .	1,082.00	
Hook and Ladder Company No. 1, callmen	1,692.00	
Hose Company No. 1, callmen . . .	1,112.00	
Hose Company No. 2, " . . .	1,122.00	
Hose Company No. 3, " . . .	1,137.84	
Hose Company No. 5, " . . .	1,132.00	
Benjamin H. Daley, hoseman . . .	373.50	
F. A. Blackburn, lineman . . .	408.28	
Frank Draper, " . . .	417.00	
James L. Prentiss, " . . .	558.92	
Frank Nicholson, " . . .	33.00	
Wm. J. Logan, labor . . .	7.00	
Charles E. Shaw, labor . . .	7.50	
Arthur C. Sellon, labor . . .	2.50	
James E. Thompson, labor . . .	5.00	
George Vannum, labor . . .	2.50	
Charles A. Southwick, labor . . .	2.50	
James D. Perkins, Jr., labor . . .	9.00	
Alfred R. Higgins, labor . . .	4.00	
Fred F. Young, labor . . .	4.00	
<i>Amounts carried forward</i> . . .	\$29,890.89	\$48,098.48

<i>Amounts brought forward</i> . . .	\$29,890.89	\$48,098.48
John E. Hill, labor . . .	7.50	
Walter E. Hill, labor . . .	2.00	
Martin F. Lacey, labor . . .	5.00	
John Frizzell, labor . . .	5.00	
Charles W. Ferguson, labor . . .	2.50	
G. W. Bridges, labor . . .	114.77	
Harry Clifford, labor . . .	76.51	
Melville Webber, labor . . .	1.00	
Harry Spike, labor . . .	1.00	
Martin Griscoll, labor . . .	1.00	
George Hill, labor . . .	1.00	
James E. Gould, labor . . .	7.50	
Walter Young, labor . . .	7.00	
John Regan, labor . . .	1.00	
Amos Page, labor . . .	1.00	
Charles Adams, labor . . .	6.00	
John H. Cuddy, labor . . .	70.50	
Thomas F. Culliton, horseshoeing . . .	58.20	
Cadogan Brothers, horseshoeing . . .	142.68	
W. H. Richardson, horseshoeing . . .	58.80	
H. Clement, horseshoeing . . .	64.27	
Edward O'Brien, horseshoeing . . .	68.26	
Seward Dodge, horseshoeing . . .	275.00	
C. W. Ingalls, horseshoeing . . .	22.55	
Lawrence Barrett, horseshoeing . . .	5.50	
E. E. Olney & Co., horseshoeing . . .	4.30	
Charles L. Underhill, blacksmith- ing	55.90	
Jacob Woodbury, blacksmithing . . .	8.50	
H. S. Brackett, carpentering . . .	42.60	
Fuller & Matthews, carpentering . . .	22.04	
G. D. B. Robinson, carpentering . . .	278.38	
Elijah Walker, carpentering . . .	73.89	
Horace P. Ewell, carpentering . . .	13.80	
J. F. Burton, painting . . .	12.00	
<i>Amounts carried forward</i> . . .	<u>\$31,407.84</u>	<u>\$48,098.48</u>

<i>Amounts brought forward</i> . . .	\$31,407.84	\$48,098.48
George Wickes, painting . . .	125.00	
C. Casseau, painting . . .	15.00	
H. N. Johnson, painting . . .	4.88	
J. Q. Twombly, painting . . .	122.08	
Charles Berry, harness work . . .	100.25	
Hill & Hill, harness work . . .	112.16	
F. Ivers & Son, harness work . . .	16.00	
E. Spalding, harness work . . .	48.65	
D. J. Bennett, harness work . . .	35.20	
P. Manley, harness work . . .	10.85	
F. L. Thompson, harness work . . .	2.75	
Cornelius Callahan Co., harness work, etc.	522.25	
American Fire Engine Co., repairs of apparatus	126.45	
Scrannage Bros., repairs of appa- ratus	24.03	
Frank W. Leavitt, repairs of ap- paratus	288.25	
I. D. Walker, repairs of apparatus	61.70	
E. Teel & Co., repairs of appa- ratus	26.60	
William T. Henderson, wagon . . .	165.00	
George M. Starbird, removing tower	100.00	
J. M. Burckes & Son, mason work . . .	46.00	
Thomas Preston, mason work . . .	20.00	
L. C. Seavey, roofing . . .	43.30	
H. W. Covell, plumbing . . .	9.77	
James F. Davlin, plumbing . . .	31.45	
J. B. Dupont, plumbing . . .	18.98	
George H. Maynard, plumbing . . .	7.89	
Charles A. Holmes, plumbing . . .	19.28	
John A. Merrifield, plumbing . . .	.50	
Whitney & Snow, hardware . . .	62.69	
<i>Amounts carried forward</i> . . .	\$33,574.80	\$48,098.48

<i>Amounts brought forward</i> . . .	\$33,574.80	\$48,098.48
W. E. Plumer & Co., hardware . . .	46.23	
W. Irving Heald, hardware . . .	10.59	
W. L. Snow, hardware . . .	1.75	
J. A. Litchfield, oil . . .	8.65	
W. H. Bullard, oil . . .	11.15	
Samuel Walker & Co., oil . . .	2.94	
Victor Oil Co., oil . . .	5.60	
John P. Squire Co., oil . . .	37.11	
Revere Rubber Co., hose . . .	145.35	
Boston Belting Co., hose . . .	472.25	
Boston Woven Hose & Rubber Co., hose . . .	116.62	
A. S. Jackson, repairs of hose, etc.	183.15	
James Tragutha, hose couplings .	7.00	
Pettingill, Andrews & Co., elec- trical supplies . . .	297.02	
N. E. Gamewell Co., electrical supplies . . .	1,075.55	
Gillis & Gleeson, electrical sup- plies . . .	18.75	
Fitz, Dana & Co., electrical sup- plies . . .	99.55	
Eastern Electric Cable Co., elec- trical supplies . . .	46.51	
E. I. Braddock, electrical supplies	11.58	
Charles L. Bly, electrical supplies	81.18	
Municipal Fire & Police Tele- graph Co., electrical supplies .	20.00	
Edes Mfg. Co., zincs . . .	81.00	
Union Glass Co., battery jars .	17.40	
J. A. & W. Bird & Co., vitriol .	310.40	
Cochran Chemical Co., vitriol .	23.21	
Braman, Dow & Co., pipe . . .	23.36	
F. E. Fitts Mfg. & Supply Co., ash cans . . .	38.86	
<i>Amounts carried forward</i> . . .	\$36,767.56	\$48,098.48

<i>Amounts brought forward</i> . . .	\$36,767.56	\$48,098.48
Boston Bolt Co., bolts . . .	29.20	
L. A. Wright, bolts . . .	.50	
Birch Brothers, wrench . . .	1.00	
Davis, Stebbins & Co., wrench . . .	1.75	
F. D. Hicks & Son, brakes . . .	10.25	
Somerville Iron Foundry Co., grates	3.00	
Automatic Fire Alarm & Extinguisher Co., supplies . . .	2.25	
H. W. Burgess, supplies . . .	12.00	
James Bartley, supplies . . .	11.68	
J. A. Durell, supplies . . .	9.29	
William F. Low, oil . . .	11.00	
Howe & Flint, hardware . . .	42.21	
F. C. Fuller & Son, hardware . . .	10.42	
Francis S. Brown, tarine . . .	2.00	
Farnham & Steel, shinos . . .	2.50	
W. G. Hallock, sponges . . .	13.06	
J. E. Phipps, grease . . .	4.20	
Leander Barber, brooms . . .	3.00	
Elias Lathrop, ointment . . .	4.00	
E. F. Chaffee, liniment . . .	3.00	
George H. Cowdin, drugs . . .	3.25	
John G. Lesure, drugs . . .	17.50	
Smith & Gould, drugs . . .	3.00	
Star Manufacturing Co., soap . . .	1.50	
Holtzer-Cabot Electric Co., bell . . .	4.45	
S. F. Hayward & Co., charging extinguishers	21.00	
F. D. Weld, shavings . . .	19.50	
F. C. Ayer, Agt., lumber . . .	13.27	
W. P. Rice, lumber . . .	28.91	
I. H. Brown & Co., lumber . . .	1.84	
Fred Davis, whitewashing . . .	15.00	
J. W. Johnson, stove pipe . . .	4.80	
<i>Amounts carried forward</i> . . .	\$37,077.89	\$48,098.48

<i>Amounts brought forward</i> . . .	\$37,077.89	\$48,098.48
W. A. Folsom & Co., stove . . .	32.85	
Thomas Groom & Co., stationery . . .	24.25	
A. E. Martell & Co., copy book . . .	3.00	
W. A. Greenough & Co., directory . . .	2.00	
S. J. Wood, keys	3.55	
Jackson, Caldwell & Co., furni- ture	86.05	
Jordan, Marsh & Co., bedding . . .	19.22	
F. H. Rolfe, flannel . . . . .	.50	
Crosby Steam Gage & Valve Co., repairs	2.50	
Star Brass Mfg. Co., hangers . . .	5.10	
D. W. McDermott, painting . . .	55.00	
The Key Stone Mfg. Co., tools . . .	7.50	
Merrimack Chemical Co., vitriol . . .	3.92	
John L. Crafts, rope	11.50	
A. W. Mitchell Mfg. Co., badges . . .	15.00	
Scoville Mfg. Co., buttons	30.37	
H. A. Winship, fire hats	12.00	
George W. Simmons & Co., regalia . . .	29.25	
G. F. & S. E. Sturtevant, horses . . .	375.00	
G. F. & S. E. Sturtevant, hay and grain	815.21	
Proctor Brothers, hay	1,317.18	
E. B. Vreeland, hay	24.43	
Fulton O'Brion, hay	7.16	
Mary Barnaby, hay	7.85	
Powers & Co., oats	735.60	
G. W. Ladd, oats	87.06	
J. Cushing & Co., oats	61.22	
M. G. Staples, teaming, etc.	47.00	
H. J. Turner, teaming, etc.	20.00	
J. Robinson, teaming, etc.	3.25	
Charles A. Mongan, use of horse . . .	108.50	
A. M. Prescott, use of horse	144.00	
<i>Amounts carried forward</i> . . .	\$41,174.91	\$48,098.48

<i>Amounts brought forward</i>	\$41,174.91	\$48,098.48
Christopher Burke, use of horse	48.00	
James C. Fitzgerald, use of horse	11.00	
Benjamin H. Pond, use of horse	7.00	
John S. Nason, use of horse	7.00	
J. H. Thompson, carriage hire	5.00	
L. H. Brown, carriage hire	29.00	
Howard Lowell, carriage hire	21.00	
A. A. Sanborn, steam heating	575.00	
Walter Bates & Son, concreting	68.00	
N. C. Barker, carpentering	2.64	
Harry Hunt, brass work	4.75	
S. W. Fuller, lumber	8.72	
R. M. Johnson, removing soil	4.00	
B. F. Wild & Co., fuel	270.45	
Horatio Wellington & Co., fuel	770.08	
Charles R. Simpson, veterinary services	86.25	
S. H. Libby, premium of insurance	37.50	
Smith & Robertson, premium of insurance	42.50	
Chas. S. Robertson, premium of insurance	367.50	
H. W. Smith & Co., repairs of clocks	4.00	
New England Telephone & Telegraph Co., rentals and tolls	90.35	
Cambridge Gas Light Co., gas	573.59	
Charlestown Gas & Electric Co., gas	108.88	
City of Boston, water for hydrants	3,220.00	
City of Boston, water for stations	139.00	
Mrs. Calvert, washing	89.64	
Mrs. Walter Loveland, washing	29.74	
Samuel H. Stevens, washing	42.23	
<i>Amounts carried forward</i>	<u>\$47,837.73</u>	<u>\$48,098.48</u>

<i>Amounts brought forward</i> . . .	\$47,837.73	\$48,098.48
E. W. Ring, washing . . .	39.85	
I. C. Jackson, washing . . .	24.37	
H. D. & W. S. Durgin, ice . . .	48.00	
Winter Hill Ice Co., ice . . .	20.00	
Boston Ice Co., ice . . .	12.00	
Charles E. Farnham, expressing . . .	53.90	
E. R. Perham, expressing . . .	2.10	
Gilman's Express, expressing . . .	4.85	
Bancroft's Express, expressing . . .	.60	
Glines & Co., expressing . . .	.60	
Curtis & Co., expressing . . .	.50	
George T. Day, expressing . . .	6.09	
Cole's Express, expressing25	
A. G. Renner, expressing30	
Whitney & Snow, hardware . . .	47.34	
	<hr/>	\$48,098.48
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FIRE DEPARTMENT, CENTRAL FIRE STATION,
BRASTOW SCHOOL LOT.

CREDIT.

Appropriations, amount appropriated by borrowing on Funded Debt account	\$26,000.00
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DEBIT.

Cash, paid George M. Starbird, on account of contract	\$20,000.00	
A. H. Gould, services as architect	921.87	
Charles L. Underhill, iron work	11.30	
C. Caseau, painting and gilding	39.78	
Highways account, constructing driveway	1,222.48	
Water Service account, service pipe	91.00	
	<hr/>	
	22,286.43	
Balance to credit in account 1895	3,713.57	
	<hr/>	\$26,000.00
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FIRE DEPARTMENT, CENTRAL FIRE STATION,
ELECTRICAL APPARATUS AND FURNITURE.

CREDIT.

Appropriations, amount appropriated by borrowing on Funded Debt account	\$5,250.00
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DEBIT.

Cash, paid George W. Bent & Co., furniture	\$ 49.00
Fuller, Dana & Co., wire	173.80
Blake Bell Co., bell	536.51
Derby, Kilmer & Pond Desk Co., book cases	210.00
Welch & Hall, horse	90.00
Eastern Electric Cable Co., cable	97.50
N. E. Gamewell Co., jars, copper and zinc	204.15
Combination Ladder Co., landing pads	50.00
E. Spalding, blanket	7.85
Frank L. Draper, labor on wires	175.50
Frank A. Blackburn, labor on wires	24.00
James L. Prentiss, labor on wires	237.51
Daniel McKennan, labor on wires	33.75
James Bennett, labor on wires	46.25
Harry Clifford, labor on wires	136.75
Charles H. Bridges, labor on wires	33.75
	<hr/> \$2,106.32
Balance to credit in account 1895	3,143.68
	<hr/> <hr/> \$5,250.00

FIRE DEPARTMENT, CHEMICAL ENGINE AND EQUIPMENT.

CREDIT.

Appropriations, amount appropriated by borrowing on Funded Debt account	\$3,000.00
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DEBIT.

Cash, paid S. F. Hayward & Co., chemical engine and hose	\$1,848.80	
James R. Hopkins, freight	56.20	
G. F. & S. E. Sturtevant, horses	325.00	
Charles E. Berry, harnesses	86.00	
E. Spalding, harnesses	67.25	
F. C. Fuller & Son, hardware	1.37	
Elijah Walker, carpentering	45.06	
J. Caley & Co., engraving plate	36.00	
Water Service account, service pipe	32.85	
	<hr/>	
	\$2,498.53	
Balance to credit in account 1895	501.47	
	<hr/>	
		<u>\$3,000.00</u>

FIRE DEPARTMENT, HOOK AND LADDER STATION,
HIGHLAND AVENUE.

CREDIT.

Appropriations, amount appropriated by borrowing on Funded Debt account	\$10,000.00
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DEBIT.

Cash, paid George M. Starbird, on account of contract and extras	\$8,188.45	
	<hr/>	
<i>Amounts carried forward</i>	\$8,188.45	<u>\$10,000.00</u>

<i>Amounts brought forward</i>	\$8,188.45	\$10,000.00
Loring & Phipps, services as architects	477.00	
Thos. Allen, concreting	156.50	
Christopher Burke, grading	55.68	
Whitney & Snow, hardware	18.88	
James F. Davlin, gas-fitting	72.00	
Boston Electric Co., wiring	77.60	
Cambridge Gas Light Co., gas pipe, etc.	12.99	
Peter Forg, brass work	1.75	
Charles E. Berry, harnesses	63.00	
Water Service account, service pipe	26.90	
Highways account, driveway	61.58	
City of Somerville, taxes of 1893	20.15	
	<hr/>	
	\$9,232.48	
Balance to credit in account 1895	767.52	
	<hr/>	
		<u>\$10,000.00</u>

FIRE DEPARTMENT, HOOK AND LADDER STATION,
HIGHLAND AVENUE, EQUIPMENT AND
FURNITURE.

CREDIT.

Appropriations, amount appropriated by borrowing on Funded Debt account	\$3,750.00
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DEBIT.

Cash, paid Combination Ladder Co., ladder truck	\$2,217.75	
G. F. & S. E. Sturtevant, horses	400.00	
	<hr/>	
<i>Amounts carried forward</i>	\$2,617.75	\$3,750.00

<i>Amounts brought forward</i> . . .	\$2,617.75	\$3,750.00
E. Spalding, harnesses . . .	99.30	
Boston Woven Hose and Rubber Co., collars	75.00	
N. E. Gamewell Co., indicator and gong	175.00	
Spofford & Kent, hose washing machine	60.00	
Fitchburg Railroad, freight . . .	32.25	
Gutta Percha & Rubber Manufacturing Co., mat	4.50	
Jackson Caldwell & Co., rugs . . .	3.70	
Jackson Caldwell & Co., furniture	154.00	
A. B. Franklin, heating apparatus	497.50	
	<hr/>	
	\$3,719.00	
Balance to credit in account 1895	31.00	
	<hr/>	
		<u>\$3,750.00</u>

FIRE DEPARTMENT, LAND FOR FIRE STATION, WARD ONE.

CREDIT.

Appropriations, amount appropriated by borrowing on Funded Debt account	\$6,000.00
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DEBIT.

Cash, paid Frank Jones and George H. Goodwin, Trustees, lot land cor. Broadway and Franklin streets	<u>\$6,000.00</u>
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FUNDED DEBT.

CREDIT.

Balance from 1893		\$1,279,500.00
Cash, received from sale of City Loan		
Bonds, No. 1,582 to 1,914 . . .	\$152,000.00	
City Loan Sewer Bonds, Nos. 54		
to 73	20,000.00	172,000.00
		<hr/>
		\$1,451,500.00

DEBIT.

Cash, paid sundry persons :

City Loan Bonds, Nos. 1,234 to	
1,243	10,000.00
City Loan Bonds, Nos. 887 to 909	23,000.00
City Loan Bonds, Nos. 934 to 938	5,000.00
City Loan Bonds, Nos. 1,033 to	
1,042	10,000.00
City Loan Bonds, Nos. 1,115 to	
1,118	4,000.00
City Loan Bonds, Nos. 1,161 to	
1,167	7,000.00
City Loan Bonds, Nos. 1,325 to	
1348	24,000.00
City Loan Sewer Bond No. 36 .	1,000.00
City Loan Paving Bonds Nos. 6	
to 10	5,000.00
Water Loan Bond No. 283 . .	1,000.00
Water Loan Bonds Nos. 100 to	
111	12,000.00
Water Loan Bonds Nos. 315 to	
317	3,000.00
Water Loan Bonds Nos. 399 to	
400	2,000.00

\$ 107,000.00

Balance to debit in account 1895 1,344,500.00

\$1,451,500.00

HEALTH DEPARTMENT.

CREDIT.

Appropriations, amount assessed		\$12,000.00
Cash, received of W. P. Mitchell, permits to keep swine and goats, and collect grease	\$200.00	
Martin Gill, rent of land	200.00	
Commonwealth of Massachusetts, contagious cases	62.69	
Sundry Persons, money not called for	12.50	475.19
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Excess and Deficiency, balance to debit of account		5,442.54
		<hr/>
		\$17,917.73

DEBIT.

Cash, paid Caleb A. Page, salary as inspector	\$1,200.00	
Disbursements	35.00	
Martin Gill, collecting offal	6,850.00	
Martin Gill, use of sleds	50.00	
H. M. Prescott, collecting offal	5.00	
M. G. Staples, collecting offal	9.00	
Wm. J. McCarthy, collecting ashes	5,700.00	
H. S. Pond, rent of land	200.00	
New England Vaccine Co., virus	273.26	
George H. Cowdin, peppermint	42.87	
West & Jenney, sulphur	4.34	
Howard Hamblin, sulphur	9.38	
G. W. Bryant, M. D., professional services	155.00	
Henry F. Curtis, M. D., professional services	165.00	
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<i>Amounts carried forward</i>	\$14,698.85	\$17,917.73

<i>Amounts brought forward</i> . . .	\$14,698.85	\$17,917.73
G. E. Hetherington, M. D., professional services . . .	155.00	
G. W. W. Whiting, M. D., professional services . . .	155.00	
Directory for nurses, furnishing nurse	2.00	
Wm. H. Ditchfield, services as nurse	205.00	
Mary Scarlett, services as nurse .	165.75	
Josephine David, services as nurse	74.28	
C. A. Southwick, fumigating .	37.50	
A. F. Carpenter, groceries .	101.06	
A. L. Proctor, provisions . .	37.91	
V. Bradford, fish	4.58	
Lizzie McEachen, services as cook	50.00	
J. H. Brooks, dry goods . .	31.60	
E. B. Bráðshaw, dry goods .	23.13	
Jacob Brodie Co., dry goods .	3.19	
A. H. Hopkins, furniture . .	63.15	
L. H. Brown, carriage hire . .	6.00	
Patrick Kirk, compensation for damages	325.00	
John A. Dadman, police duty .	82.50	
Michael F. Daley, police duty .	82.50	
Howe & Flint, stove	10.70	
Horatio Wellington & Co., fuel .	25.65	
Citizen Publishing Co., advertising	18.01	
Somerville Journal Co., advertising	45.37	
Henry W. Pitman, printing . .	16.00	
Heliotype Printing Co., maps .	34.00	
Thomas Groom & Co., stationery	10.50	
William F. Waller, labor . . .	68.25	
Charles W. Prescott, labor . .	34.00	
John P. Marchant, labor . . .	2.73	
Seward Dodge, repairs of wagons	50.15	
<i>Amounts carried forward</i> . . .	\$16,619.36	\$17,917.73

<i>Amounts brought forward</i> . . .	\$16,619.36	\$17,917.73
I. B. Walker, repairs of wagons . . .	33.30	
L. A. Wright, repairs of wagons . . .	1.50	
J. W. Coveney, rent of Post-office box	4.00	
A. T. Nickerson, car fares	2.00	
Charles E. Farnham, expressing . . .	.35	
Jackson Caldwell & Co., storage . . .	125.00	
J. E. Herrick, building pest house . .	837.97	
I. B. Kendall, premium of in- surance	30.00	
Sundry Persons, burying animals . .	139.25	
Highways account, tool house . . .	125.00	
	<hr/>	<hr/>
		\$17,917.73

HIGHWAYS.

CREDIT.

Appropriations, amount assessed		\$60,000.00
Cash, received of Charles S. Philbrick, sidewalk	\$ 23.50	
Lydia F. Hale, sidewalk	13.20	
George B. Howard, sidewalk	51.35	
W. F. Mansfield, sidewalk	106.93	
E. W. Lundahl, sidewalk	44.34	
Michael Martell, sidewalk	15.02	
George G. Fox, sidewalk	456.26	
David Rosenfeld, sidewalk	83.44	
Ellen A. Murphy, sidewalk	13.65	
Esther O. White, sidewalk	119.04	
Isabella T. Silver, sidewalk	20.20	
Olive H. Durrell, sidewalk	24.58	
Edward Keating, sidewalk	28.19	
John L. Greenough, sidewalk	17.29	
North Packing & Provision Co., sidewalk	200.46	
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<i>Amounts carried forward</i>	\$1,217.45	\$60,000.00

<i>Amounts brought forward</i> . . .	\$1,217.45	\$60,000.00
Antonio Preiva, sidewalk . . .	7.74	
Lavinia P. Fuller, sidewalk . . .	61.02	
Luiz de Sourabettencurt, side- walk	15.02	
Alexander Munroe, sidewalk . . .	64.00	
Mary Dorney, sidewalk . . .	24.12	
John A. Wessells, sidewalk . . .	81.50	
Joseph K. James, sidewalk . . .	118.92	
Nathan E. Fitz, sidewalk . . .	51.20	
William Mullen, sidewalk . . .	34.31	
Warren P. Wilder, sidewalk . . .	48.00	
George W. Bean, sidewalk . . .	20.27	
Edmund S. Sparrow, sidewalk . . .	111.70	
W. C. Trowbridge, sidewalk . . .	23.80	
W. G. Webber, sidewalk . . .	87.94	
F. M. Lyons, sidewalk . . .	60.20	
N. E. Dressed Meat & Wool Co., sidewalk	282.24	
F. H. Wilkins, sidewalk . . .	99.32	
Charles Drouet, sidewalk . . .	9.10	
James Connors, sidewalk . . .	30.80	
Anthony Haderbolets, sidewalk . . .	42.90	
Frank L. Blood, sidewalk . . .	61.32	
Joseph O. Hobbs, sidewalk . . .	63.00	
Frank A. Loomis, sidewalk . . .	53.19	
Harriet E. Snow, sidewalk . . .	16.76	
Somerville Journal Co., sidewalk . . .	55.04	
Martha M. Sturtevant, sidewalk . . .	95.51	
Christopher C. McGrath, side- walk	168.44	
Barnabus Binney, sidewalk . . .	17.47	
Mary Langmaid, sidewalk . . .	128.00	
Heirs Samuel P. Langmaid, side- walk	185.77	
F. M. Kilmer, bricks	12.80	
<i>Amounts carried forward</i> . . .	<u>\$3,348.85</u>	<u>\$60,000.00</u>

<i>Amounts brought forward</i> . . .	\$3,348.85	\$60,000.00
J. S. Ham, bricks . . .	19.20	
Charles F. Brine, bricks . . .	20.26	
John H. Brine, bricks . . .	20.27	
David L. McGregor, bricks . . .	24.00	
William Veazie, bricks . . .	84.00	
John Stackpole, bricks . . .	47.12	
Wilbur P. Rice, bricks . . .	104.00	
G. F. Hobson, driveway . . .	2.25	
John M. Woods, driveway . . .	4.25	
Charles L. Wilder, driveway . . .	19.10	
W. O. Francis, driveway . . .	4.25	
John Sweeney, driveway . . .	10.90	
Maurice Fitzgerald, driveway . . .	11.50	
Fred. L. Pulsifer, driveway . . .	9.15	
Edward J. Llewellyn, driveway . . .	11.90	
D. B. Mulcahey, driveway . . .	16.00	
Charles O. Lailor, driveway . . .	4.50	
George W. Clark, driveway . . .	6.25	
Edward Cox, driveway . . .	32.25	
Harmon S. Trueman, driveway . . .	11.03	
George B. Pitcher, driveway . . .	6.50	
Andrew Thompson, driveway . . .	4.25	
Charles Lynam, driveway . . .	5.00	
W. A. Crosby, driveway . . .	8.75	
Eugene Selg, driveway . . .	6.00	
Margaret H. Brown, driveway . . .	6.50	
Addie A. Snow, driveway . . .	2.50	
Catherine J. Sherry, driveway . . .	6.25	
Boston & Maine Railroad, labor and materials	481.65	
Somerville Electric Light Co., labor and materials	12.80	
Cambridge Gas Light Co., labor and materials	19.75	
George E. & Eugene H. Lane, paving blocks	15.00	
<i>Amounts carried forward</i> . . .	<u>\$4,385.98</u>	<u>\$60,000.00</u>

<i>Amounts brought forward</i> . . .	\$4,385.98	\$60,000.00
Frank Gould, filling . . .	116.25	
Frank L. Grant, horse . . .	40.00	
Asa Durgin, old boiler . . .	25.00	
Irving L. Russell, manure . . .	57.00	
Patrick Kelley, manure . . .	50.00	
Thomas Ormand, rent . . .	72.00	
Arthur Murley, rent . . .	64.00	
Fire Department, Central Fire Station, driveway . . .	1,222.48	
Fire Department, Hook and Lad- der Station, driveway . . .	61.58	
Health Department, tool house . .	125.00	
Sidewalks account, labor and materials	1,897.74	
Nathan Tufts Park account, edgestones	597.59	
Water Works Extension, paving blocks	62.40	
Sundry persons, money not paid .	12.75	8,789.77
		<hr/>
		\$68,789.77

DEBIT.

Cash, paid laborers' pay rolls . . .	\$36,913.72	
Thomas H. Eames, salary as Superintendent	1,600.00	
Thomas H. Eames, board of horses	417.17	
Frank Buttimer, teaming . . .	218.89	
Maurice Buttimer, teaming . . .	55.00	
Thomas Allen, teaming . . .	42.00	
John Cronin, teaming . . .	18.00	
T. F. Crimmings, teaming . . .	115.00	
John Elkins, teaming . . .	110.00	
James Fannon, teaming . . .	212.47	
Martin Gill, teaming . . .	137.50	
	<hr/>	<hr/>
<i>Amounts carried forward</i> . . .	\$39,839.75	\$68,789.77

<i>Amounts brought forward</i> . . .	\$39,839.75	\$68,789.77
Edward Grant, teaming . . .	16.00	
Henry Gray, teaming . . .	83.23	
James Hoar, Sr., teaming . . .	26.00	
John McLaughlin, teaming . . .	21.00	
Wm. J. McCarthy, blockstones, etc. . .	1,550.73	
Wm. J. McCarthy, edgestones, etc. . .	1,576.55	
George F. McKenna, teaming . . .	352.00	
A. M. Prescott, teaming . . .	34.00	
John Silk, teaming . . .	54.50	
Frank Grant, teaming . . .	232.80	
Wm. J. McLaughlin, teaming . . .	57.50	
Charles Booth, teaming . . .	50.00	
Christopher Burke, teaming and stone	2,094.73	
Dennis Shea, round stone . . .	2,470.40	
Thomas Kennedy, stone . . .	298.80	
Charles J. Simpson, stone . . .	127.68	
L. G. Carr, stone . . .	28.50	
Clarence Russell, stone . . .	35.76	
C. T. Shean, stone . . .	114.07	
Charles B. Russell, stone . . .	6.67	
Dennis Ryan, stone . . .	194.71	
Frank P. Ladd, stone . . .	241.71	
Thomas Allen, stone . . .	70.37	
A. L. Farrar, stone . . .	69.18	
Howard I. Lowell, stone . . .	1.05	
N. M. Cofran & Co., bricks . . .	545.30	
W. A. Sanborn, bricks . . .	1,650.82	
Wm. R. Maxwell, bricks . . .	92.80	
M. W. Carr & Co., sand . . .	746.50	
J. Fitzpatrick, sand . . .	33.43	
Michael J. Fitzpatrick, sand . . .	15.00	
Fred C. Ayer, Agt., lumber . . .	100.27	
Wilbur P. Rice, lumber . . .	104.90	
Alley & Jaques, lumber . . .	143.04	
<i>Amounts carried forward</i> . . .	\$53,079.75	\$68,789.77

<i>Amounts brought forward</i> . . .	\$53,079.75	\$68,789.77
Alley & Littlefield, lumber . . .	9.35	
I. H. Brown & Co., lumber . . .	150.00	
J. E. Herrick, repairs of bridge, etc.	238.34	
Highland Coal Co., cement . . .	7.25	
Abbott, Downing & Co., brooms . .	36.50	
The Ingersoll-Sargeant Drill Co., drills	35.25	
Walworth Mfg. Co., pipe . . .	48.96	
Boston Belting Co., belt . . .	95.33	
H. W. Johns Mfg. Co., covering boiler	15.00	
Braman, Dow & Co., steam pipe . .	86.78	
Wm. Campbell & Co., repairs of crusher	66.33	
Star Brass Mfg. Co., repairs of crusher	63.94	
Holmes & Blanchard, repairs of crusher	44.79	
Miller & Shaw, repairs of roller . .	667.92	
David W. Crocker, repairs of carts, etc.	179.80	
F. H. Flag, repairs of carts, etc. . .	23.50	
J. Miller, repairs of carts, etc. . .	17.45	
I. B. Walker, repairs of carts, etc. .	132.65	
A. Clement, horseshoeing . . .	198.83	
Edward O'Brien, horseshoeing . .	231.89	
Seward Dodge, horseshoeing, etc. .	632.66	
E. E. Olney & Co., horseshoeing . .	12.13	
John Kellogg, horseshoeing . . .	1.50	
George McDormand, horseshoe- ing	2.75	
F. Dooris, blacksmithing . . .	230.30	
Charles W. Ingalls, blacksmithing .	1.50	
D. J. Bennett, harness work . . .	451.15	
<i>Amounts carried forward</i> . . .	\$56,761.60	\$68,789.77

<i>Amounts brought forward</i> . . .	\$56,761.60	\$68,789.77
E. Spalding, harness work . . .	62.00	
W. H. Buskin & Son, harness work	25.00	
F. H. McCoubry, harness work . . .	23.50	
Ames Plow Co., cart and tools . . .	236.81	
Perrin, Seamans & Co., tools . . .	132.27	
Dodge, Haley & Co., tools . . .	5.91	
L. A. Wright, tools	16.95	
Charles L. Underhill, tools . . .	4.70	
M. Dix, oil	6.25	
Silver Light Oil Co., oil	73.28	
Harrington & Bradbury, oil . . .	29.12	
Underhay Oil Co., oil	7.00	
Priest, Page & Co., scales	277.50	
Roberts Iron Works Co., boiler . . .	875.00	
S. T. Manson, roller	7.50	
J. W. Johnson, iron tank	10.35	
Wm. R. Fleming & Co., freight, repairs, etc.	376.50	
Nightingale & Childs, screens . . .	275.28	
Frank E. Fitts Mfg. & Supply Co., screens	7.25	
George Tyler & Co., moulboard . . .	30.00	
Harrisburg Foundry & Machine Works, fire door	2.50	
Pigeon Hill Granite Co., stone bounds	30.00	
Sweatt & Gould, stone bounds . . .	9.00	
Welch & Hall, horses	535.00	
G. F. & F. E. Sturtevant, horses . .	400.00	
G. W. Ladd, hay and grain	3,152.74	
R. W. Willey & Co., hay and grain . .	904.03	
Proctor Brothers, hay and grain . . .	597.79	
George H. Sampson, powder	120.92	
Somerville Journal Co., printing . .	130.75	
<i>Amounts carried forward</i> . . .	\$65,126.50	\$68,789.77

<i>Amounts brought forward . . .</i>	\$65,126.50	\$68,789.77
Citizen Publishing Co., printing . . .	97.75	
Thomas Groom & Co., stationery . . .	66.00	
Whitney & Snow, hardware . . .	166.73	
W. I. Heald, hardware . . .	119.10	
W. E. Plummer & Co., hardware . . .	31.50	
F. C. Fuller & Co., hardware . . .	1.51	
L. C. Chipman, painting . . .	10.00	
J. E. Parsons, zinc . . .	.75	
W. L. Snow, plumbing . . .	18.29	
James F. Davlin, plumbing . . .	57.77	
J. P. Clisby, painting signs . . .	7.50	
Edwin A. Church, street signs . . .	23.85	
Charles E. Stearns & Son, street signs	4.50	
William Vogler, rent of roadway . . .	135.00	
N. E. Fitz & Co., wharfage . . .	154.50	
Horatio Wellington & Co., fuel . . .	508.85	
Baker-Hunnewell Co., fuel . . .	229.71	
Thomas Walsh, cutting paving blocks	244.23	
City of Medford, one-half cost of maintaining Middlesex bridge . . .	425.99	
Thomas Hollis, drugs . . .	4.25	
W. H. Way, veterinary services . . .	104.65	
David L. Bolger, veterinary ser- vices	10.00	
L. H. Brown, carriage hire . . .	2.50	
Charles B. Stevens, Register, re- cording	23.39	
City of Boston, water . . .	74.60	
New England Telephone & Tele- graph Co., tolls, etc. . . .	74.87	
Hartford Steam Boiler Inspection & Insurance Co., premium of insurance	150.00	
<i>Amounts carried forward . . .</i>	\$67,874.29	\$68,789.77

<i>Amounts brought forward</i> . . .	\$67,874.29	\$68,789.77
Charles S. Robertson, premium of insurance	155.00	
William A. Muzzey, premium of insurance	155.00	
F. W. Bickford, filing saws . . .	28.50	
S. J. Wood, filing saws	1.60	
Charles E. Farnham, expressing .	2.20	
E. R. Perham, expressing . . .	.75	
Gilman's Express, expressing . .	23.50	
Water Services account, service pipe, etc.	34.95	
Sewers Construction account, catch basin stones	6.91	
City of Somerville, sewer assess- ments	15.88	
	<hr/>	
	\$68,298.58	
Excess and Deficiency, balance to credit of account	491.19	
	<hr/>	
		<u>\$68,789.77</u>

HIGHWAYS, CITY STABLE.

CREDIT.

Appropriations, amount appropriated by borrowing on Funded Debt account	\$14,500.00
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DEBIT.

Cash, paid Lord Brothers on account of contract	\$9,000.00	
A. H. Gould, services as archi- tect	560.35	
Crimmings & Collins, sewer . . .	468.16	
	<hr/>	
<i>Amounts carried forward</i> . . .	\$10,028.51	\$14,500.00

<i>Amounts brought forward</i> . . .	\$10,028.51	\$14,500.00
Highland Coal Co., cement . . .	3.75	
George D. Goodrich, drain pipe . . .	5.57	
W. A. Snow & Co., vane . . .	65.00	
Water Service Assessment account, service pipe . . .	15.00	
Sewers, Construction, sewer, etc. . .	234.05	
	<hr/>	
	\$10,351.88	
Balance to credit in account 1895 . . .	4,148.12	
	<hr/>	
		\$14,500.00
		<hr/> <hr/>

HIGHWAYS, PAVING WASHINGTON STREET, UNION SQUARE TO MEDFORD STREET.

CREDIT.

Excess and Deficiency, balance to debit of account . . . \$406.91

DEBIT.

Cash, paid Wm. H. Gore, final payment on account of contract \$406.91

INDIGENT SOLDIERS AND SAILORS.

CREDIT.

Appropriations, amount assessed \$500.00
 State of Massachusetts, Indigent Soldiers and Sailors 296.00

\$796.00

DEBIT.

Cash, paid Sundry Persons \$592.00
 Excess and Deficiency, balance to credit of account 204.00

\$796.00

INTEREST.

CREDIT.

Appropriations, amount assessed		\$65,000.00
Cash, received of R. L. Day & Co., premium and interest on bonds	\$4,589.84	
Sundry Persons, on taxes and assessments	8,686.10	
Interest on deposits in banks	1,492.33	
Real Estate Liens, interest on taxes on property sold to the city	7.95	14,776.22
		<hr/>
		\$79,776.22

DEBIT.

Cash, paid on Funded Debt :

\$436,000, one year at 4 per cent.	\$17,440.00	
\$149,000, six months at 4 per cent.	2,980.00	
\$275,000, one year at $4\frac{1}{2}$ per cent.	12,375.00	
\$200,000, one year at 5 per cent.	10,000.00	
	<hr/>	
	\$42,795.00	
Less coupons unpaid	1,380.00	
	<hr/>	
	\$41,415.00	
Sundry Persons, unpaid coupons	1,380.00	
	<hr/>	
	\$42,795.00	

On Temporary Loans :

Henry E. Wright, on note of \$1,000, four months at 6 per cent.	\$20.00	
Mary Langmaid, on note of \$4,000, six months at 6 per cent.	120.00	
	<hr/>	
<i>Amounts carried forward</i>	\$140.00	<hr/>
		\$79,776.22

<i>Amounts brought forward . . .</i>	\$140.00	\$79,776.22
Trustees of estate of William C.		
High, on note of \$1,600, six months at 6 per cent.	48.00	
E. Isolia Norwood, on note of \$2,000, six months at 6 per cent.	60.00	
George H. Hull, on note of \$1,000, six months at 6 per cent.	30.00	
G. T. Burnham, Trustee, on note of \$1,500, six months at 6 per cent.	45.00	
Blake Brothers & Co., on note of :		
\$1,000, one year at 6 per cent.	60.00	
1,000, " " " " " "	60.00	
5,000, " " " " " "	300.00	
1,000, " " " " " "	60.00	
1,000, " " " " " "	60.00	
1,000, " " " " " "	60.00	
1,000, " " " " " "	60.00	
1,000, " " " " " "	60.00	
1,000, " " " " " "	60.00	
1,000, " " " " " "	60.00	
1,000, " " " " " "	60.00	
3,000, " " " " " "	180.00	
10,000, " " " " " "	600.00	
10,000, " " " " " "	600.00	
5,000, eight months at 6 per cent.	200.00	
10,000, six months, at 6 per cent.	300.00	
2,500, six months at 6 per cent.	75.00	
1,000, six months at 6 per cent.	30.00	
4,000, six months at six per cent.	120.00	
<i>Amounts carried forward . . .</i>	<hr/> \$3,268.00	<hr/> \$79,776.22

<i>Amounts brought forward</i> . . .	\$3,268.00	\$79,776.22
Somerville Co-operative Bank, on note of \$10,000, one year at per cent.	600.00	
Margaret Lawson, on note of \$1,500, one year at 6 per cent.	90.00	
F. S. Moseley & Co., on note of \$100,000, eight months at 3 per cent. and $\frac{1}{16}$ per cent. commission	2,062.50	
Charles A. Skinner, on note of \$1,000, eight months at 6 per cent.	40.00	
Lavinia W. Smith, on note of \$800, eight months at 6 per cent.	32.00	
W. Irving Heald, on note of \$2,000, nine months at 6 per cent.	90.00	
Brewster, Cobb & Estabrook, on note of \$100,000, discount at $2\frac{1}{16}$ per cent., 4 months	687.50	
Trustees of estate of Mary Hutch- inson, on note \$1,900, one year at 6 per cent.	114.00	
Blake Brothers & Co., on note of \$10,000, six months at 6 per cent.	300.00	
Blake Brothers & Co., on note of \$2,500, six months at 6 per cent.	75.00	
Blake Brothers & Co., on note of \$1,000, six months at 6 per cent.	30.00	
<i>Amounts carried forward</i> . . .	<hr/> \$7,389.00	<hr/> \$79,776.22

<i>Amounts brought forward</i> . . .	\$7,389.00	\$79,776.22
Blake Brothers & Co., on note of \$4,000, six months at 6 per cent.	120.00	
Brewster, Cobb & Estabrook, on notes of \$100,000, discount three months at 3 per cent. . .	750.00	
Commonwealth of Massachusetts, on note of \$50,000, nine months at $3\frac{1}{4}$ per cent. . . .	1,218.75	
Brewster, Cobb & Estabrook, on notes of \$200,000, four months, discounted at $2\frac{7}{8}$ per cent. . .	1,916.67	
	<hr/>	
	\$11,394.42	
On Funded Debt	\$42,795.00	
On Temporary Loans	11,394.42	
	<hr/>	
	\$54,189.42	
Excess and Deficiency, balance to credit of account	\$25,586.80	
	<hr/>	
		<u>\$79,776.22</u>

MISCELLANEOUS.

CREDIT.

Appropriations, amount assessed		\$6,600.00
Cash, received of Sundry Persons, costs on taxes and assessments . .	\$2,876.78	
Thomas Cunningham, milk inspector's fees	138.00	
Thomas R. Roulstone, plumbers' licenses	91.50	
Ammiel Colman, fees for sealing weights and measures	192.28	
	<hr/>	
<i>Amounts carried forward</i>	\$3,298.56	<u>\$6,600.00</u>

<i>Amounts brought forward</i> . . .	\$3,298.56	\$6,600.00
Fulton O'Brien, public weigher's fees	14.55	
License to peddle	25.00	
New England Telephone & Telegraph Co., rebate	15.00	
George I. Vincent, city clerk :		
Recording mortgages	\$462.75	
Marriage certificates .	276.00	
Licensing dogs . . .	270.00	
Amusements	155.00	
Junk licenses	66.00	
Auctioneers' licenses	46.00	
Intelligence offices .	16.00	
Street musicians . .	23.00	
Billiards, pool, etc. .	26.00	
Fireworks	66.00	
Night lunch licenses .	4.00	
Slaughtering licenses	2.00	
Naturalization fees . .	1.00	
Copies of records . .	22.75	
Transfer of dog license .25		
	<hr/> 1,436.75	
Real Estate Liens, costs on property deeded to the city .	8.35	
	<hr/>	4,798.21
Excess and Deficiency, balance to debit of account		2,333.90
		<hr/>
		\$13,732.11

DEBIT.

Cash, paid Frank A. Fuller & Co., carpentering	\$248.24	
Fuller & Matthews, carpentering	62.16	
Osgood & Stevens, carpentering .	53.95	
F. S. Aldrich, carpentering . .	1.25	
	<hr/>	
<i>Amounts carried forward</i> . . .	\$365.60	\$13,732.11

<i>Amounts brought forward</i> . . .	\$365.60	\$13,732.11
C. W. Cahalan, plumbing . . .	5.40	
James F. Davlin, plumbing . . .	.50	
G. A. Walker, painting . . .	24.75	
J. Q. Twombly, glazing . . .	5.50	
Whitney & Snow, hardware . . .	119.40	
Howe & Flint, hardware . . .	17.92	
W. I. Heald, hardware . . .	.44	
J. A. Durell, hardware . . .	3.27	
F. C. Fuller, hardware . . .	.40	
F. E. Whitney, repairs . . .	.60	
J. E. Herrick, labor . . .	20.30	
F. J. Stanley, horse keeping . . .	812.50	
Cadogan Brothers, horseshoeing . . .	22.00	
Lawrence Barrett, horseshoeing . . .	8.00	
Seward Dodge, horseshoeing . . .	5.00	
Charles L. Underhill, blacksmith- ing	2.35	
E. Spalding, harnesswork . . .	12.75	
P. Manley, harnesswork . . .	4.05	
H. A. Brownell, harnesswork . . .	1.60	
Richard Tyner & Co., robe . . .	10.00	
L. H. Brown, carriage hire . . .	173.50	
J. H. Thompson, carriage hire . . .	4.00	
Eugene Mead, carriage hire . . .	49.50	
A. M. Prescott, teaming . . .	28.00	
R. M. Sturtevant, teaming . . .	13.32	
Ernest W. Bailey, car fares . . .	119.21	
Kate W. Wood, car fares . . .	28.10	
Frost & Adams, engineers' sup- plies	69.55	
J. B. Dupont, engineers' supplies . . .	1.30	
Buff & Berger, repairs of transit . . .	44.60	
W. E. Plumer & Co., hardware . . .	2.12	
Jacob Brodie Co., dry goods . . .	5.28	
J. H. Brooks, dry goods . . .	3.55	
<i>Amounts carried forward</i> . . .	<hr/> \$1,984.36	<hr/> \$13,732.11

<i>Amounts brought forward</i> . . .	\$1,984.36	\$13,732.11
Irving W. Wheeler & Co., awnings	4.50	
F. H. Whitcomb, cleaning carpets	12.40	
B. P. Palmer, door stops	2.75	
T. S. Buck, stamps	8.25	
George B. Sargent & Son, stamps	4.86	
Thomas Groom & Co., stationery	32.70	
Somerville Journal Co., advertising	2.50	
Citizen Publishing Co., advertising	8.00	
News Printing Co., advertising	2.25	
William E. Murphey, reseating chairs	3.75	
Philip J. Fitzpatrick, reseating chairs . . . . .	.85	
John Canfield & Co., door checks	1.50	
A. T. Carpenter, soap	3.05	
F. F. Phipps, drugs	2.85	
Jacob Woodbury, steel springs . . . . .	.80	
S. J. Wood, keys	19.35	
W. W. Winship, bags	7.50	
Tobias & Wall, bags	6.00	
Daniel Crocker, repairs of clocks	4.00	
Jackson Caldwell & Co., furniture	7.89	
Hatch & Farnham, repairs of table	5.00	
C. M. Blake, newspapers	6.00	
Jairus Mann, watching	70.00	
M. A. Mann, laundering	24.00	
William S. Ward, supplies	9.63	
I. H. Brown & Co., lumber	28.50	
Frye, Phipps & Co., drill	2.50	
John A. Kelley, teaming	63.75	
<i>Amounts carried forward</i> . . .	<u>\$2,329.49</u>	<u>\$13,732.11</u>

<i>Amounts brought forward</i> . . .	\$2,329.49	\$13,732.11
H. D. & W. S. Durgin, ice . . .	35.00	
John McNamee Sons, granite curbing	119.25	
W. A. Snow & Co., drinking fountain	185.00	
E. R. Morse Safe Co., safe . . .	57.00	
The Fairbanks Co., weights, etc.	35.60	
Byron Boyd, abstracts . . .	20.00	
E. A. Pinnock, typewriting . .	7.20	
Commonwealth of Massachusetts, ink	13.00	
J. A. McLane, posting . . .	144.10	
S. H. Libby, services as auctioneer	17.70	
Charles R. Stevens, Register, recording	13.85	
State of California, certificate .	4.00	
J. W. Coveney, rent of Post-Office box	4.00	
Cambridge Gas Light Co., gas . .	22.27	
Somerville Electric Light Co., lighting	345.20	
City of Boston, water . . .	22.00	
Middlesex County Truant School, board of truants	132.86	
City of Lowell, board of truants .	954.04	
New England Telephone & Telegraph Co., rentals and tolls .	270.20	
Electric Gas Lighting Co., supplies	8.97	
Boston Belting Co., hose . . .	11.90	
Horatio Wellington & Co., fuel .	124.25	
B. F. Wild & Co., fuel . . .	44.25	
Baker-Hunnewell Co., fuel . . .	14.50	
Lynn Brass Band, concert . . .	100.00	
<i>Amounts carried forward</i> . . .	\$5,035.63	\$13,732.11

<i>Amounts brought forward</i>	\$5,035.63	\$13,732.11
Masten & Wells Fire Works Mfg. Co., fireworks	500.00	
Willard C. Kinsley Post, No. 139, G. A. R., contribution for ob- servance of Memorial Day	350.00	
Company M, M. V. M., appropri- ation for rifle practice	200.00	
Ammiel Colman, salary as sealer of weights and measures	100.00	
Disbursements	7.15	
Charles L. Ellis, salary as deputy collector	1,000.00	
Disbursements	5.00	
Gertrude G. Kendall, clerical ser- vices	370.67	
Alice D. Keniston, clerical ser- vices	174.67	
Laura E. McBain, clerical services	178.67	
Luella M. Eaton, clerical services	104.00	
Elizabeth Goldsmith, clerical ser- vices	104.67	
Lucia A. Manning, clerical ser- vices	391.26	
Clara B. Snow, clerical services	51.00	
Addie A. Snow, clerical services	44.00	
Florence M. Grow, clerical ser- vices	54.67	
Clara Z. Elliot, clerical services	53.50	
Frederic W. Cook, clerical ser- vices	6.00	
Charles G. Brett, clerical services	48.00	
Frank E. Merrill, clerical services	48.00	
Wm. P. Pitman, clerical services	39.00	
Charles S. Robertson, clerical services	45.00	
<i>Amounts carried forward</i>	<hr/> \$8,910.89	<hr/> \$13,732.11

<i>Amounts brought forward</i> . . .	\$8,910.89	\$13,732.11
Arthur D. Osborne, clerical services	12.50	
George O. Shaw, clerical services	86.00	
Arthur Atwood, clerical services	86.00	
Wm. C. Hammond, clerical services	70.00	
Precinct Officers	1,600.00	
E. P. Cook, labor	18.00	
N. L. Pennock, labor	11.00	
W. H. Kelley, labor	11.00	
W. H. Laskey, labor	2.00	
John Battles, labor	5.00	
William Denton, labor	10.00	
George H. Goss, labor	5.00	
John O'Brien, labor	7.00	
Patrick O'Connell, labor	7.00	
E. T. Peterson, labor	5.00	
Daniel H. Rinn, labor	5.00	
B. F. Sheridan, labor	7.00	
Alfred Shiner, labor	2.00	
James G. Wright, labor	5.00	
James L. Whitaker, labor	9.00	
Margaret Hartness, labor	5.00	
Chas. S. Eaton, refreshments	15.50	
Henry J. Seiler, refreshments	36.00	
J. Tyler Hicks & Co., refreshments	20.00	
F. E. Cheney & Co., refreshments	8.55	
Charles Rickenburg, refreshments	6.75	
Odd Fellows Building Association, rent	15.00	
F. A. White, rent	45.00	
Philip Eberle, rent	25.00	
Albert B. Fales, commission as Justice	7.00	
Wm. P. Mitchell, commission as Justice	7.00	
<i>Amounts carried forward</i> . . .	<u>\$11,065.19</u>	<u>\$13,732.11</u>

<i>Amounts brought forward</i> . . .	\$11,065.19	\$13,732.11
T. F. Farrington, street numbering	34.75	
C. A. Southwick, census of births, etc.	192.76	
John M. Schroeder, census of births, etc.	127.80	
Fish, Richardson & Storrow, legal services	60.24	
George E. Elliot, turkeys . . .	72.96	
J. L. Glover, turkeys	212.24	
S. S. Higgins, turkeys	41.12	
Bancroft's Express, expressing .	.15	
A. G. Renner, expressing . . .	.30	
C. E. Farnham, expressing . . .	10.60	
M. G. Staples, expressing . . .	6.75	
Gilman Express Co., expressing .	2.10	
E. R. Perham, expressing . . .	14.85	
Glines & Co., expressing . . .	.25	
R. A. R. Benson, expressing . .	1.00	
Wm. Buckley, veterinary services	2.00	
Albert C. Aldrich, return of births	6.00	
Wm. H. Bailey, return of births .	3.25	
G. W. Bryant, return of births .	4.25	
W. A. Bell, return of births . .	9.75	
Henry F. Curtis, return of births	2.50	
George A. Coburn, return of births	1.25	
Mary B. Currier, return of births	.75	
E. H. Coddington, return of births .	2.25	
Charles S. Cahill, return of births	7.25	
John B. Curtis, return of births .	5.75	
A. H. Carvill, return of births . .	4.00	
A. B. Dearborn, return of births .	7.25	
T. M. Durell, return of births . .	18.25	
A. Ward Follett, return of births	14.25	
P. J. Finnegan, return of births .	3.00	
<i>Amounts carried forward</i> . . .	\$11,934.81	\$13,732.11

<i>Amounts brought forward . . .</i>	\$11,934.81	\$13,732.11
A. Waldo Furbush, return of births	1.75	
A. A. Gibson, return of births .	11.00	
J. B. Gould, return of births .	3.25	
John A. Gregg, return of births .	12.25	
H. A. Hands, return of births .	5.50	
Wm. J. Hatchett, return of births	2.00	
H. A. Houghton, return of births	1.25	
R. L. Lane, return of births .	6.50	
A. Moll, return of births . . .	1.25	
H. B. McIntire, return of births .	1.00	
George A. Miles, return of births	1.25	
J. A. McDonald, return of births	1.00	
H. P. MaKechnie, return of births	2.50	
Charles E. Mongan, return of births . . . . .	.50	
Albert L. Norris, return of births	.75	
Emma J. Peasley, return of births	1.00	
E. A. Sanborn, return of births .	1.25	
E. H. Stevens, return of births .	3.75	
F. W. Taylor, return of births .	3.75	
Anna B. Taylor, return of births .	2.25	
George W. W. Whiting, return of births	3.25	
Charles C. Ellis, return of births .	4.50	
Horace C. White, return of births	7.75	
R. Willis, return of births . . .	3.00	
John F. Couch, return of births .	41.00	
Frederick L. Kellogg, return of births . . . . .	.50	
A. E. Merrill, return of births .	2.00	
Frank L. Newton, return of births	3.75	
John W. Coveney, return of deaths	7.50	
W. A. Frink, return of deaths .	4.75	
W. A. Flaherty, return of deaths .	41.00	
<i>Amounts carried forward . . .</i>	\$12,117.56	\$13,732.11

<i>Amounts brought forward</i> . . .	\$12,117.56	\$13,732.11
E. H. Marsh, return of deaths . . .	23.75	
Alfred E. Mann, return of deaths . . .	25.50	
P. H. Rafferty, return of deaths . . .	26.25	
Francis M. Wilson, return of deaths	5.00	
John Bryant, return of deaths . . .	13.00	
C. H. Lockhart, return of deaths . . .	12.75	
Fred S. Young, ringing bell . . .	7.00	
J. H. Colbath, ringing bell . . .	9.00	
A. B. Colesworthy, ringing bell . . .	9.00	
A. Strahan, ringing bell . . .	6.00	
G. W. Littlefield, ringing bell . . .	6.00	
Herbert E. Stone, ringing bell . . .	6.00	
Thomas Nightingale, ringing bell . . .	6.00	
E. C. Sholes, compensation for damages	200.00	
Abbott W. Lewis, compensation for damages	500.00	
Emulous A. Aldrich, compen- sation for damages	275.00	
Margaret Reardon, compensation for damages	225.00	
Rosanna H. Bevens, compensation for damages	173.00	
Susan O. O'Brien, compensation for damages	50.00	
Charles H. Flagg, compensation for damages	31.55	
Samuel B. Fay, compensation for damages	4.75	
	<hr/>	<hr/> <hr/>
		\$13,732.11

NATHAN TUFTS PARK.

CREDIT.

Appropriations, amount appropriated by borrowing on Funded Debt account	\$15,000.00
Overlay and Abatement, amount transferred	385.17
Excess and Deficiency, balance to debit of account .	2,264.11
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	\$17,649.28

DEBIT.

Cash, paid laborers	\$9,422.36	
Henry Gray, teaming	80.00	
George F. McKenna, teaming	236.25	
Richard Falvey, teaming	57.50	
T. F. Cummings, teaming	39.52	
A. M. Prescott, teaming	591.75	
Christopher Burke, teaming	290.23	
Dennis C. Collins, teaming	110.00	
Frank Grant, teaming	60.75	
George W. Prichard, teaming	25.00	
John Silk, teaming	10.00	
Owen Cunningham, teaming	5.00	
Massachusetts Broken Stone Co., stone	408.97	
Quincy Paving & Edgestone Co., paving blocks	893.18	
Wm. H. Gore, paving	444.03	
Rockport Granite Co., stone steps	315.00	
Fiske Wharf and Warehouse Co., wharfage	4.00	
Whitney & Snow, tools	186.11	
F. Dooris, sharpening tools	149.91	
Howe & Flint, dipper . . . . .	.12	
J. F. Burton, painting	4.50	
T. F. Farrington, carpentering	6.00	
	<hr/>	
<i>Amounts carried forward</i>	\$13,340.18	\$17,649.28

<i>Amounts brought forward</i> . . .	\$13,340.18	\$17,649.28
F. C. Ayer, Agent, lumber . . .	33.91	
I. H. Brown & Co., lumber . . .	5.00	
J. E. Herrick, lumber . . .	1.86	
Alley & Jaques, lumber . . .	3.07	
Walworth Mfg. Co., pipe . . .	16.17	
City of Cambridge, use of roller . . .	30.00	
City of Chelsea, use of roller . . .	401.45	
E. R. Cheney, use of derrick . . .	55.80	
A. McLeod, moving building . . .	20.00	
Cambridge Gas Light Co., coke . . .	4.75	
Horatio Wellington & Co., fuel . . .	32.80	
Arthur J. Wellington, crushing stone	571.50	
James H. Bowditch, plants, etc. . .	920.20	
Joseph Breck & Sons, grass seed	167.95	
W. I. Heald, grass seed . . .	2.83	
Charles J. Simpson, sand . . .	21.00	
George A. Blaney, <i>et al.</i> , loam . . .	7.35	
Peter Leroux, manure . . .	18.63	
Franklin Henderson, manure . . .	13.30	
Chetham Parks, manure . . .	4.00	
Colman Brothers, poles . . .	10.56	
John A. Ray, police duty . . .	26.00	
Charles E. Farnham, expressing . . .	.75	
Horace L. Eaton, car fares . . .	5.88	
City of Somerville, taxes assessed to Tufts, <i>et al.</i>	385.17	
Sewer Assessments account, sewers	951.58	
Highways account, edgestones . . .	597.59	
	<hr/>	\$17,649.28

OVERLAY AND ABATEMENT.

CREDIT.		
Balance from 1893		\$3,542.20
Taxes, amount added by the assessors for convenience in apportionment, to be applied to abatements on taxes . . .	\$3,889.35	
Cash, taxes collected	19.60	
	<hr/>	3,908.95
Balance to debit in account 1895		4,073.85
		<hr/>
		\$11,525.00

DEBIT.		
Taxes, amounts of abatements on taxes	\$11,139.83	
Nathan Tufts Park, amount transferred	385.17	
	<hr/>	\$11,525.00
		<hr/>

OVERPLUS AND TAX SALES.

CREDIT.		
Balance from 1893		\$102.13
DEBIT.		
Balance to 1895		\$102.13
		<hr/>

POLICE.

CREDIT.		
Appropriations, amount assessed		\$25,000.00
Cash, received of Commonwealth of Massachusetts, National bank and corporation taxes . . .	\$22,225.59	
Herbert A. Chapin, clerk of court, officers' fees, fines, etc. . . .	4,038.50	
John M. Fisk, master of house of correction, fines, etc.	1,491.50	
New England Telephone & Telegraph Co., rebates	276.25	
	<hr/>	28,031.84
<i>Amount carried forward</i>		<hr/>
		\$53,031.84

Amount brought forward \$53,031.84

DEBIT.

Cash, paid M. C. Parkhurst, chief .	\$1,900.00
Robert R. Perry, captain .	1,500.00
Edward McGarr, sergeant .	1,200.00
Christopher C. Cavanagh, ser- geant	1,200.00
Dennis Kelley, sergeant .	1,200.00
Eugene A. Carter, sergeant .	1,200.00
John F. Johnson, patrolman .	1,095.00
John E. Fuller, patrolman .	1,095.00
Samuel A. Brown, patrolman .	1,095.00
George L. Smith, patrolman .	1,095.00
Edward M. Carter, patrolman .	1,095.00
George W. Bean, patrolman .	1,095.00
George A. Bodge, patrolman .	1,095.00
Phineas W. Skinner, patrolman .	1,095.00
Hubert M. Miller, patrolman .	1,086.00
Edward E. Hamblen, patrolman .	1,095.00
John Hafford, patrolman .	1,095.00
Albion L. Staples, patrolman .	1,095.00
George H. Carleton, patrolman .	1,095.00
Judson W. Oliver, patrolman .	1,095.00
Francis A. Perkins, patrolman .	1,095.00
Charles S. Thrasher, patrolman .	1,095.00
Wm. H. Johnston, patrolman .	1,038.00
Charles E. Woodman, patrolman .	1,095.00
Arthur E. Keating, patrolman .	1,095.00
John G. Knight, patrolman .	1,089.00
Stephen S. Smith, patrolman .	1,071.00
Jacob W. Skinner, patrolman .	1,095.00
Theodore E. Herron, patrolman .	1,080.00
David A. Bolton, patrolman .	1,086.00
Ulysses G. Skinner, patrolman .	1,060.75
James M. Harmon, patrolman .	1,060.25
Michael T. Kennedy, patrolman .	1,060.25

Amounts carried forward . . . \$37,541.25 \$53,031.84

<i>Amounts brought forward</i> . . .	\$37,541.25	\$53,031.84
Charles W. Stevens, patrolman . . .	1,060.25	
Ira S. Carleton, patrolman . . .	1,060.25	
Ezra A. Dodge, patrolman . . .	1,060.25	
Eugene H. Gammon, patrolman . . .	1,060.25	
James J. Pollard, patrolman . . .	989.50	
Daniel G. Simons, patrolman . . .	984.75	
Samuel Burns, patrolman . . .	612.50	
Frederic H. Googins, patrolman . . .	610.00	
Jotham Chisholm, patrolman . . .	562.50	
John A. Ray, special patrolman . . .	338.50	
Gideon E. Dean, special patrolman	2.00	
John A. Dadman, special patrolman	55.75	
Jeremiah J. Meaney, special patrolman	9.00	
Fred S. Young, special patrolman	21.00	
John F. Cotter, special patrolman	13.00	
Peter J. Savage, special patrolman	13.00	
Peter Savage, special patrolman	5.00	
Cornelius J. Cahill, special patrolman	5.00	
Michael J. Davis, special patrolman	13.00	
James F. Henderson, special patrolman	5.00	
Davis P. Bucknam, special patrolman	2.50	
Louis B. Tucker, special patrolman	2.50	
Andrew F. Arnold, special patrolman	2.50	
Michael J. Fitzpatrick, special patrolman	2.25	
A. A. Lewis, special patrolman	8.00	
<i>Amounts carried forward</i> . . .	<u>\$46,039.50</u>	<u>\$53,031.84</u>

<i>Amounts brought forward</i> . . .	\$46,039.50	\$53,031.84
Seba F. Coffin, special patrolman	8.00	
N. L. Pennock, special patrolman	8.00	
Daniel H. Rinn, special patrolman	8.00	
Wm. H. Blaisdell, special patrolman	8.00	
B. F. Sheridan, special patrolman	8.00	
Lambert M. Maynard, special patrolman	8.00	
Alfred M. Sibley, special patrolman	8.00	
Lewis R. Stewart, special patrolman	8.00	
Daniel R. Spike, special patrolman	8.00	
Edward T. Peterson, special patrolman	4.00	
William H. Whitcomb, special patrolman	4.00	
William H. Kelley, labor on stable	12.50	
Frank Nicholson, line man	33.00	
M. C. Parkhurst, salary as lockup keeper	100.00	
M. C. Parkhurst, disbursements	10.00	
Daniel G. Simons, disbursements	4.98	
Samuel Burns, disbursements	8.00	
Wm. H. Johnston, disbursements	3.72	
George H. Carleton, disbursements	3.29	
Robert R. Perry, disbursements	8.00	
Edward M. Carter, disbursements . . . . .	.45	
Charles S. Thrasher, disbursements	5.75	
Dennis Kelley, disbursements	37.60	
<i>Amounts carried forward</i> . . .	\$46,346.79	\$53,031.84

<i>Amounts brought forward</i> . . .	\$46,346.79	\$53,031.84
Eugene H. Carter, disbursements	31.54	
Lemuel H. Snow, disbursements	18.05	
Mary A. Staples, matron . . .	113.50	
P. J. Blanchard, meals for pris- oners	51.25	
H. B. Matthews, meals for pris- oners	4.50	
F. G. Ray & Son, laundering . .	27.79	
C. B. Cheney, photographs . .	10.75	
George D. Ford, photographs . .	1.00	
Charles W. Dailey, use of ambu- lance	4.50	
Scoville Mfg. Co., buttons . . .	29.81	
John H. Kelley, badges	5.50	
Pettingill-Andrews Co., electrical supplies	329.53	
Gillis & Gleeson, electrical sup- plies	100.75	
J. A. & W. Bird & Co., electrical supplies	31.65	
David Cutter, electrical supplies	1.80	
Municipal Signal Co., signal boxes	354.60	
Union Glass Co., battery jars . .	21.50	
John P. Lovell Arms Co., supplies	51.20	
G. F. & S. E. Sturtevant, supplies	1.00	
Howe & Flint, supplies	1.45	
M. L. Vinal, stationery	2.50	
W. Schuebeler, towels	4.15	
J. H. Brooks, dry goods	6.25	
L. D. Miller, polish	2.50	
Whitney & Snow, hardware . . .	15.29	
W. E. Plumer & Co., hardware . .	23.67	
R. M. Sturtevant, supplies . . .	6.53	
Lakeside Novelty Co., disinfectant	4.25	
Imperial Chemical Co., disin- fectant	2.50	
<i>Amounts carried forward</i> . . .	\$47,606.10	\$53,031.84

<i>Amounts brought forward</i> . . .	\$47,606.10	\$53,031.84
George H. Cowdin, drugs . . .	1.75	
James Bartley, supplies . . .	3.69	
Fresh Pond Ice Co., ice . . .	30.00	
New England Telephone & Tele- graph Co., rentals and tolls . . .	756.90	
Fulton O'Brion, hay and grain . . .	227.18	
Horatio Wellington & Co., fuel . . .	71.30	
Austin & Doten, ventilator . . .	6.50	
Thomas Groom & Co., stationery . . .	45.05	
Somerville Journal Co., stationery . . .	4.00	
A. E. Martell & Co., letter book . . .	3.00	
W. A. Greenough & Co., direc- tories	4.00	
Little, Brown & Co., books . . .	3.00	
M. R. Warren, books	5.50	
Somerville Electric Light Co., hooks	1.80	
I. H. Brown & Co., carpentering . . .	3.85	
Elijah Walker, carpentering . . .	3.00	
Union Square Carriage Co., repairs of wagon	9.50	
Ezra A. Dodge, repairs . . . . .	.75	
Seward Dodge, blacksmithing . . .	1.18	
J. A. Chabot, repairs of safe . . .	1.50	
Daniel Crocker, repairing clock . . .	2.00	
Wm. J. Blaisdell, painting	1.50	
Welch & Hall, horse	150.00	
Andrew A. Lamont, buggy	150.00	
E. Spalding, harness work	12.95	
Ira L. Roberts, horseshoeing . . .	59.00	
J. H. Thompson, carriage hire . . .	2.00	
James F. Fitzgerald, carriage hire . . .	20.50	
L. H. Brown, carriage hire	19.00	
M. G. Staples, teaming	53.25	
J. Robinson, teaming	11.35	
<i>Amounts carried forward</i> . . .	\$49,271.10	\$53,031.84

<i>Amounts brought forward</i> . . .	\$49,271.10	\$53,031.84
James Horrill, teaming . . .	1.00	
C. M. Blake, newspapers . . .	14.70	
S. J. Wood, filing saws . . .	.75	
Charles S. Robertson, premium of insurance	39.00	
Warren H. Smith, labor in stable	274.00	
Wm. H. Kelley, labor in stable .	144.00	
James L. Prentiss, lineman . . .	153.57	
F. A. Blackburn, lineman . . .	80.00	
Frank Draper, lineman . . .	66.00	
Frank Nicholson, lineman . . .	195.00	
Harry Clifford, lineman . . .	24.76	
R. McDonald, lineman . . .	19.13	
L. McDonald, lineman . . .	19.13	
Benjamin Pond, lineman . . .	1.00	
James T. Barrett, witness fees .	6.00	
William H. Barrett, witness fees .	10.00	
Charles E. Farnham, expressing .	2.50	
W. E. Cole, expressing . . .	.50	
E. R. Perham, expressing . . .	.80	
Bancroft's Express, expressing .	.45	
	<hr/>	
	\$50,323.39	
Excess and Deficiency, balance to credit of account . . .	2,708.45	
	<hr/>	
		\$53,031.84

POLICE STATION INCIDENTALS.

CREDIT.

Appropriations, amount assessed	\$3,500.00
Schoolhouse Incidentals, amount transferred . . .	600.00
Cash, received of Commonwealth of Massachusetts, rent of armory .	\$300.00
William E. Cassidy, old junk . . .	7.00
	<hr/>
	307.00
Excess and Deficiency, balance to debit of account .	559.80
	<hr/>
<i>Amount carried forward</i>	\$4,966.80

Amount brought forward \$4,966.80

DEBIT.

Cash, paid Wm. D. Hayden, janitor .	\$850.00
Cambridge Gas Light Company, gas	921.77
City of Boston, water	92.40
Horatio Wellington & Co., fuel .	381.75
Baker-Hunnewell Co., fuel .	5.75
Walter Bates & Son, concreting .	27.00
James F. Davlin, plumbing	32.17
J. A. Durell, plumbing	320.64
A. A. Sanborn, steam fitting	88.79
A. M. Godfrey, carpentering	54.00
John P. Thompson, carpentering	18.55
Frank A. Fuller & Co., carpenter- ing	2.36
David G. Marston, carpentering	25.00
C. A. Slager, carpentering	100.53
H. B. Sellon, carpentering	104.00
Geo. W. Manning, repairs of roof	3.50
S. W. Fuller, lumber	35.83
F. C. Ayer, lumber	16.97
Jacob Woodbury, iron work	5.55
Henry P. Lovering, mason work	11.90
A. C. Winning, mason work	855.20
Clarence G. Reed, plastering	43.00
J. Q. Twombly, painting	38.24
W. E. Plumer & Co., hardware	62.97
Howe & Flint, hardware	5.00
Whitney & Snow, hardware	3.30
F. C. Fuller & Son, hardware	7.06
Boston Belting Co., hose	12.38
A. M. Prescott, teaming	3.00
H. W. Johns Manufacturing Co., paints, etc.	25.71
The Boston Germicide Co., germi- cide service	21.63

<i>Amounts carried forward</i>	\$4,175.95	\$4,966.80
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<i>Amounts brought forward</i> . . .	\$4,175.95	\$4,966.80
J. F. Fuller, disinfectant . . .	4.50	
Hatch & Farnham, furniture . . .	295.50	
Jackson Caldwell & Co., furniture . . .	8.00	
James Bartley, matches, etc. . . .	5.60	
George H. Cowdin, powder	1.20	
R. M. Sturtevant, tacks	1.30	
Albert B. Franklin, ventilating pipes	60.00	
The Great American & China Tea Co., water set	2.00	
J. H. Keenan, boards	9.00	
A. B. Wedgwood, premium of insurance	150.00	
Foster & Shaw, premium of in- surance	150.00	
Hartford Steam Boiler Inspection and Insurance Co.	50.00	
Patrick O'Connell, labor	51.75	
Seth H. Whitcomb, cleaning carpet	2.00	
	<hr/>	<u>\$4,966.80</u>

PRINTING AND STATIONERY.

CREDIT.

Appropriations, amount assessed	\$6,500.00
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DEBIT.

Cash, paid Somerville Journal Co., printing and advertising	\$1,373.08	
Citizen Publishing Co., printing and advertising	502.50	
Beacon Lithograph Co., printing bonds	154.25	
	<hr/>	<hr/>
<i>Amounts carried forward</i>	\$2,029.83	\$6,500.00

<i>Amounts brought forward</i>	\$2,029.83	\$6,500.00
Babb & Stephens, printing	68.50	
Thomas Groom & Co., stationery	2,606.40	
Charles B. Stevens, register re- cording	5.81	
Henry W. Pitman, printing annual reports, etc.	1,370.04	
W. A. Greenough & Co., direc- tories	15.00	
Sampson, Murdock & Co., direc- tories	15.00	
Charles S. Binner & Co., books	3.50	
A. E. Martell & Co., letter books	15.00	
Frost & Adams, scales	5.50	
F. S. Buck, hand stamps	18.71	
Bates Manufacturing Co., number- ing machine	20.00	
The Heliotype Printing Co., maps	4.50	
	<hr/>	
	\$6,177.79	
Excess and Deficiency, balance to credit of account	322.21	
	<hr/>	
		<u>\$6,500.00</u>

PROPERTY AND DEBT BALANCE.

CREDIT.

Balance from 1893	\$701,711.82
Public Property, property acquired during the year 1894	214,059.82
Reduction of Funded Debt	107,000.00
	<hr/>
	\$1,022,771.64

DEBIT.

Appropriations, amount borrowed on Funded Debt account	\$172,000.00
Balance to credit in account 1895	850,771.64
	<hr/>
	<u>\$1,022,771.64</u>

PUBLIC GROUNDS.

CREDIT.

Appropriations, amount assessed	\$4,500.00
Cash, received of West End Street Railway Co., cutting grass	18.00
Excess and Deficiency, balance to debit of account	187.94
	<hr/>
	\$4,705.94

DEBIT.

Cash, paid laborers	\$3,618.50	
Frank G. Williams, sods	25.96	
N. F. McCarthy & Co., plants	126.17	
J. Newman & Sons, plants	11.18	
Horace L. Eaton, plants, etc.	7.65	
Green Brothers, plants, etc.	1.50	
Chetham Parks, materials	3.00	
Joseph Breck & Sons, grass seed, etc.	74.61	
G. W. Manning, labor on flagstaff	35.00	
Whitney & Snow, hardware	27.22	
F. C. Ayer, Agent, lumber	33.52	
I. H. Brown & Co., lumber . . . . .	.45	
J. A. Durell, hardware	4.99	
Whitney & Snow, tools	67.07	
M. D. Jones & Co., settees	61.80	
J. B. Dupont, hardware	17.37	
W. I. Heald, tools, etc.	43.16	
C. L. Underhill, repairs of tools	10.90	
Joseph Young, repairs of tools	9.00	
L. A. Wright, repairs of tools	4.25	
George W. Trefren, Jr., carpentering	24.86	
T. F. Farrington, carpentering	30.00	
J. Q. Twombly, painting	1.81	
	<hr/>	
<i>Amounts carried forward</i>	\$4,239.97	<hr/>
		\$4,705.94

<i>Amounts brought forward</i> . . .	\$4,239.97	\$4,705.94
Osgood & Hart, grating . . .	1.25	
A. M. Prescott, teaming . . .	51.76	
George W. Prichard, teaming . . .	48.00	
John Silk, loam	22.50	
L. M. Maynard, manure . . .	13.10	
Monroe, Lalor & Co., ashes . . .	104.53	
City of Boston, water . . .	35.00	
Fitchburg Railroad, freight . . .	48.35	
John R. Farnham, trees . . .	20.00	
F. C. Fuller & Co., hardware . . .	2.93	
Charles E. Farnham, expressing . . .	2.00	
Boston Spar Co., flagstaff . . .	42.75	
M. A. Mann, repairing flag . . .	1.50	
Sewers Maintenance account, bricks	1.00	
Water Service account, service pipe	71.30	
	<hr/>	<hr/>
		\$4,705.94

PUBLIC LIBRARY.

CREDIT.

Appropriations, amount assessed		\$6,500.00
Cash, received of County Treasurer re- turn on amount received of the city for dog licenses in 1893 . . .	\$2,710.90	
J. S. Hayes, librarian, fines . . .	297.87	
J. S. Hayes, catalogues . . .	35.35	
	<hr/>	3,044.12
Balance from 1893		23.36
		<hr/>
		\$9,567.48

DEBIT.

Cash, paid Little, Brown & Co., books . . .	\$1,328.64	
Lee & Shepard, books . . .	222.95	
George E. Littlefield, books . . .	408.24	
	<hr/>	
<i>Amounts carried forward</i> . . .	\$1,959.83	\$9,567.48

<i>Amounts brought forward</i> . . .	\$1,959.83	\$9,567.48
Estes & Lauriat, books . . .	353.98	
Burnham Antique Book Store, books	113.30	
Charles H. Brown, books . . .	126.30	
C. A. Nichols Co., books . . .	15.00	
S. B. Fisher, books	1.56	
Boston Book Co., books . . .	21.45	
T. C. Pease, books	6.50	
Charles E. Houghton, books . .	15.00	
Outlook Company, books . . .	4.00	
Fred S. Collins, books	31.10	
Osterhout Free Library, books .	2.20	
S. M. Goss, books	74.48	
J. Q. Adams & Co., books . . .	4.00	
Kasson & Palmer, books . . .	3.00	
W. L. Wilder, books	8.00	
E. R. Pelton, books	4.00	
Catholic World, books	12.00	
John B. Walker, books	1.50	
Eben Putnam, books	2.00	
D. Appleton Co., books	34.00	
Joseph Eichbourn & Co.; books .	3.00	
Prince Society, books	5.00	
Writer Publishing Co., books . .	1.75	
New England Magazine, books . .	4.00	
F. H. Chadbourne, books . . .	39.60	
American Naturalist, books . . .	4.00	
Wm. R. Bradford, books	12.00	
H. W. Conant, books	3.33	
John Munsell's Sons, books . . .	5.00	
New England Historical & Geneo- logical Society, books	3.00	
Hessling & Spielmeyer, books . .	6.75	
T. H. Castor & Co., books . . .	74.32	
Rhode Island Historical Society, books	2.00	
<i>Amounts carried forward</i> . . .	<u>\$2,956.95</u>	<u>\$9,567.48</u>

<i>Amounts brought forward</i> . . .	\$2,956.95	\$9,567.48
J. S. Smith & Co., books . . .	2.00	
Arena Publishing Co., books . . .	5.33	
S. C. Tuckerman, books . . .	3.00	
The Critic Company, books . . .	4.75	
Cupples & Paterson, books . . .	5.00	
Century Company, books . . .	24.00	
North American Review, books . . .	4.25	
The Dial, books	4.15	
Publisher's Weekly, books . . .	12.60	
Engineering Magazine, books . . .	2.40	
Electrical Engineer, books . . .	4.50	
Electric Magazine, books . . .	4.00	
New England Kitchen Publishing Co., books	1.75	
Review of Reviews, books . . .	5.00	
Forum Publishing Co., books . . .	2.75	
Charles Scribner's Sons, books . . .	35.94	
William H. Guild & Co., books . . .	99.14	
J. B. Lippincott Co., books . . .	4.50	
Harper & Brothers, books . . .	32.97	
Illustrated American Co., books . . .	4.00	
E. H. Hames & Co., books . . .	2.00	
Houghton, Mifflin & Co., books . . .	11.40	
Perry Mason & Co., books . . .	1.75	
The Nation, books	3.00	
Cosmopolitan Magazine, books . . .	3.00	
Montague Marks, books	6.50	
Munn & Co., books	11.20	
W. A. Greenough & Co., direc- tory	2.00	
P. B. Sanford, binding books . . .	766.67	
Somerville Journal Company, printing	97.35	
Greenough, Adams & Cushing, stationery	26.59	
<i>Amounts carried forward</i> . . .	<hr/> \$4,150.44	<hr/> \$9,567.48

<i>Amounts brought forward</i> . . .	\$4,150.44	\$9,567.48
Thomas Groom & Co., stationery	18.95	
John Underwood & Co., stationery	5.25	
Rice, Kendall & Co., paper . . .	59.48	
George N. Seamans & Co., screen	3.50	
Howe & Flint, gas fixtures . . .	9.90	
Boston Gas Appliance Exchange, fixtures	20.00	
E. R. Morse Safe Co., safe . . .	72.50	
W. S. Barnes, boxes	9.10	
A. Storrs & Bement Co., cards . .	39.33	
Library Bureau, tray, etc. . . .	8.00	
Derby, Kilmer & Pond Desk Co., furniture	11.50	
Jordan, Marsh & Co., furniture . .	9.80	
Williams Table & Lumber Co., table	56.00	
Wemyss Brothers, chests	16.00	
W. S. Badger & Co., bookcase . .	17.00	
B. P. Palmer, door stop	2.50	
Sprague & Hathaway Co., frames	24.42	
Horgan, Robey & Co., frames . .	2.00	
William I. Stickney, plate	7.00	
Henry Holt, polish	3.50	
Boston Belting Co., hose	5.95	
W. A. Sanborn, bricks	3.03	
George B. Sargent, stamps	3.13	
Citizen Publishing Co., news- papers	4.00	
C. M. Blake, newspapers	9.00	
Graham & Hill, newspapers	4.50	
George T. Bailey, newspapers . . .	4.50	
Fred. C. Fuller, carpentering . . .	20.42	
Henry P. Lovering, Jr., mason- work	4.98	
A. A. Sanborn, steam-fitting . . .	1.35	
<i>Amounts carried forward</i> . . .	\$4,607.03	\$9,567.48

<i>Amounts brought forward</i> . . .	\$4,607.03	\$9,567.48
George H. Maynard & Co., plumbing	5.45	
J. Q. Twombly, painting . . .	101.24	
Osgood & Stevens, labor . . .	8.16	
C. A. Southwick, labor . . .	6.25	
William Eccles & Son, upholstery	46.20	
Gillis & Gleeson, telephone . .	4.10	
F. W. Merrill, tubes	15.00	
D. F. Erickson, blocks	5.00	
Whitney & Snow, hardware . . .	4.69	
William Hall & Co., hardware . .	2.75	
H. S. Garcelon, Agent branch office	100.00	
Charles E. Farnham, expressing .	32.30	
Gilman Express Co., expressing .	64.05	
Perham's Express, expressing . .	87.85	
Edward F. Wood, premium of in- surance	33.75	
Dana W. Bennett & Co., premium of insurance	33.75	
I. B. Kendall, premium of insur- ance	75.00	
Cambridge Gas Light Co., gas . .	4.99	
Somerville Electric Light Co., lighting	403.18	
City of Boston, water	29.00	
J. W. Coveney, postage stamps .	31.00	
B. F. Wild & Co., fuel	168.96	
Baker-Hunnewell Co., fuel . . .	7.25	
S. J. Wood, keys, etc.	1.25	
John S. Hayes, librarian	1,800.00	
Disbursements	66.86	
Anna L. Stone, assistant	400.00	
Mary J. Warren, assistant . . .	400.00	
F. Mabel Norcross, assistant . .	275.00	
<i>Amounts carried forward</i> . . .	<u>\$8,820.06</u>	<u>\$9,567.48</u>

<i>Amounts brought forward</i> . . .	\$8,820.06	\$9,567.48
Edith A. Woodman, assistant . . .	75.24	
M. Gertrude Knapp, assistant . . .	125.97	
Elizabeth Goldsmith, assistant . . .	20.52	
Esther M. Mayhew, assistant . . .	117.96	
Catherine Coveney, assistant . . .	12.05	
M. B. Merriam, assistant . . .	160.00	
S. C. Foot, assistant	91.00	
Charles L. Goodrich, assistant . . .	9.51	
Wm. C. Hammond, assistant . . .	42.77	
Stanley Flewelling, assistant . . .	61.02	
Charles F. Cuddy, assistant . . .	21.83	
	<hr/>	
	\$9,557.93	
Excess and Deficiency, balance to credit of account	9.55	
	<hr/>	
		<u>\$9,567.48</u>

PUBLIC LIBRARY IMPROVEMENT.

CREDIT.

Appropriations, amount appropriated by borrowing on Funded Debt account	\$3,000.00
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DEBIT.

Balance to debit in account 1895	<u>\$3,000.00</u>
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PUBLIC PROPERTY.

CREDIT.

Balance to debit in account 1895	\$2,195,271.64
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DEBIT.

Property and Debt Balance, property acquired in 1894	\$ 214,059.82
Balance from 1893	1,981,211.82
	<hr/>
	<u>\$2,195,271.64</u>

REAL ESTATE LIENS.

CREDIT.		
Balance to 1895	.	\$964.70
DEBIT.		
Balance from 1893	\$888.40	
Taxes, Interest and Costs on property deeded to the city for non-pay- ment of taxes of 1892	76.30	
		<u>\$964.70</u>

REDUCTION OF FUNDED DEBT.

CREDIT.		
Balance from 1893	\$ 5,912.07	
Appropriations, amount assessed	100,000.00	
Cash, received of London and Lancan- shire Fire Insurance Co., insur- ance on Webster Schoolhouse	\$1,185.00	
Queen Insurance Co., insurance on Webster Schoolhouse	1,185.00	
Tetonia Fire Insurance Co., insur- ance on Webster Schoolhouse	723.50	
New Hampshire Fire Insurance Co., insurance on Webster Schoolhouse	1,185.00	
Peter Malone, proceeds of sale of material of Webster School- house	80.00	
F. M. Burrows, sale of Brastow Schoolhouse	100.00	
First Congregational Society of Somerville, sale of Unitarian Church	400.00	
	<u>\$4,858.50</u>	
City of Boston, water rates trans- ferred	5,486.30	10,344.80
<i>Amount carried forward</i>		<u>\$116,256.87</u>

Amount brought forward \$116,256.87

DEBIT.

Property and Debt Balance, amount of reduction of Funded Debt in 1894	\$107,000.00	
Balance to credit in account 1895	9,256.87	
		<u>\$116,256.87</u>

RELIEF AND BURIAL OF INDIGENT SOLDIERS
AND SAILORS.

CREDIT.

Appropriations, amount assessed	\$4,000.00
State of Massachusetts, burials	140.00
Excess and Deficiency, balance to debit of account	1,440.06
	<u>\$5,580.06</u>

DEBIT.

Cash, paid monthly pay rolls	\$5,083.00	
Worcester Lunatic Hospital, board	169.46	
Danvers Lunatic Hospital, board	2.79	
Commonwealth of Massachusetts, board	47.11	
Fred B. Clapp, services as nurse	42.50	
W. A. Frink, services as under- taker	70.00	
Wm. A. Flaherty, services as undertaker	35.00	
John Reade, services as undertaker	35.00	
Alfred E. Mann, services as under- taker	35.00	
City of Medford, aid furnished	19.20	
Support of Poor account, aid fur- nished	41.00	
		<u>\$5,580.06</u>

SALARIES.

CREDIT.

Appropriations, amount assessed	\$35,400.00
Excess and Deficiency, balance to debit of account	2,645.03
	<hr/>
	\$38,045.03

DEBIT.

Cash, paid William H. Hodgkins, mayor	\$1,000.00
George I. Vincent, city clerk	2,400.00
John F. Cole, city treasurer and collector of taxes	3,200.00
Selwyn Z. Bowman, city solicitor	1,650.00
Alvah B. Dearborn, city physician	1,150.00
Charles S. Robertson, city auditor	500.00
Charles S. Robertson, clerk of common council	250.00
William P. Mitchell, clerk of com- mittees	1,650.00
Albert B. Fales, clerk of assessors	1,500.00
Beulah M. Pierce, assistant to treasurer	800.00
Alice T. Sleeper, assistant to treasurer	700.00
Amy L. Manning, assistant to city clerk	700.00
Clara B. Snow, assistant to city clerk	349.00
Katharine W. Wood, assistant to clerk of assessors	650.00
Frederic W. Cook, assistant to clerk of committees	800.00
Jairus Mann, city messenger	1,500.00
Thomas R. Roulstone, inspector of buildings	1,900.00
	<hr/>
<i>Amounts carried forward</i>	<i>\$20,699.00</i>
	<hr/>
	\$38,045.03

<i>Amounts brought forward . . .</i>	\$20,699.00	\$38,045.03
D.C.Greene, inspector of plumbing	800.00	
G. F. Andrews, inspector of plumbing	275.00	
Thomas Cunningham, inspector of milk	300.00	
Thomas Cunningham, inspector of provisions	400.00	
Horace L. Eaton, city engineer	2,400.00	
Leighton W. Manning, supt. of electric lines	1,000.00	
Benjamin F. Thompson, assessor	900.00	
Samuel T. Richards	800.00	
Nathan H. Reed	800.00	
Fred B. Clapp, assistant assessor	250.00	
Charles F. Farrington, assistant assessor	250.00	
Edgar T. Mayhew, assistant assessor	250.00	
Harry A. True, assistant assessor	250.00	
Cromwell G. Rowell, registrar of voters	200.00	
Charles P. Lincoln, registrar of voters	200.00	
Charles E. Parks, registrar of voters	200.00	
George I. Vincent, registrar of voters	200.00	
William H. Whitcomb, janitor of City Hall and Public Library .	779.16	
Charles A. Southwick, janitor of City Hall and Public Library .	70.84	
Florence M. Grow, clerical services	296.01	
Jessie O. Smith, clerical services	70.67	
Eliza D. Foster, clerical services	58.67	
Engineer's assistants	6,595.68	
	<hr/>	<hr/>
		\$38,045.03

SCHOOL CONTINGENT.

CREDIT.

Appropriations, amount assessed		\$16,000.00
Cash, received of D. F. McCurdy,		
tuition of non-resident pupils	\$ 16.00	
Emma F. Whitney, tuition of non-		
resident pupils	16.00	
George J. Raymond, tuition of		
non-resident pupils	16.00	
Charles A. Lovekin, tuition of		
non-resident pupils	8.00	
Lena Gilbert, tuition of non-resi-		
dent pupils	15.00	
Harry T. Wing, tuition of non-		
resident pupils	16.00	
Clifton Williams, tuition of non-		
resident pupils	30.00	
G. A. Southworth, injury to books,		
etc.	33.23	
Charlestown Gas and Electric Co.,		
discount	24.00	174.23
		<hr/>
		\$16,174.23

DEBIT.

Cash, paid Gordon A. Southworth,		
salary as supt. of schools	\$2,499.96	
Disbursements	41.38	
V. E. Hapgood, clerk in superin-		
tendent's office	600.00	
L. H. Snow, truant officer	999.96	
Services taking school census	100.00	
Jairus Mann, truant officer	50.04	
Leach, Shewell & Sanborn, books,		
etc.	434.82	
American Book Co., books, etc. . . .	653.04	
Ginn & Co., books, etc. . . .	654.82	
		<hr/>
<i>Amounts carried forward</i>	<i>\$6,034.02</i>	<i>\$16,174.23</i>

<i>Amounts brought forward</i> . . .	\$6,034.02	\$16,174.23
D. C. Heath & Co., books, etc. . .	286.28	
William Ware & Co., books, etc. . .	44.19	
Maynard, Merrill & Co., books, etc.	38.30	
Boston School Supply Co., books, etc.	106.51	
University Publishing Co., books, etc.	73.02	
Houghton, Mifflin & Co., books, etc.	183.91	
Carl Schoenhof, books, etc. . . .	4.35	
D. Lothrop & Co., books, etc. . . .	6.60	
J. L. Hammet, books, etc.	377.37	
Silver, Burdett & Co., books, etc. .	1,102.37	
Lothrop Publishing Co., books, etc.	11.80	
T. H. Castor, books, etc.	110.65	
Lee & Shepard, books, etc.	17.55	
Allyn & Bacon, books, etc.	36.15	
Elbridge & Brother, books, etc. . .	13.12	
Greenough, Adams & Cushing, . supplies	602.24	
C. W. Bardeen, supplies	565.08	
Joseph Watrous, supplies	658.69	
W. A. Greenough, supplies	2.00	
Holden Patent Book Cover Co., supplies	28.20	
Hub Book Binding & Stationery Co., supplies	11.65	
Longmans, Green & Co., supplies . .	21.04	
Educational Publishing Co., books .	5.67	
John E. Potter & Co., books	81.65	
D. Appleton & Co., books	14.00	
Franklin Educational Co., sup- plies	50.63	
<i>Amounts carried forward</i> . . .	<u>\$10,487.04</u>	<u>\$16,174.23</u>

<i>Amounts brought forward</i> . . .	\$10,487.04	\$16,174.23
Geo. S. Perry & Co., supplies . . .	17.25	
Frost & Adams, supplies . . .	154.20	
Pulsifer, Jordan & Co., supplies . . .	36.70	
Prang Educational Co., supplies . . .	1,183.51	
George S. Perry & Co., ink wells . . .	8.65	
A. W. Mitchell, stamp . . .	2.54	
Wadsworth, Howland & Co., supplies	18.15	
E. O. White, flowers	4.80	
P. P. Caproni & Co., drawing materials	10.00	
A. H. Hewes & Co., drawing materials	8.80	
King & Merrill, stationery	1,552.54	
Thorp & Martin Co., stationery	18.97	
George S. Perry & Co., stationery	245.91	
Thompson, Brown & Co., stationery	93.23	
Somerville Journal Co., printing	386.30	
Citizen Publishing Co., printing	119.30	
Boston Bank Note & Lithograph Co., diplomas	100.47	
C. A. French, filling in diplomas	88.35	
Edward E. Hale, address	25.00	
First M. E. Church, use of edifice	100.00	
R. M. Yale & Co., repairing flags	4.65	
Union Glass Co., sand . . . . .	.27	
L. H. Brown & Co., carriage hire	7.50	
New England Telephone & Telegraph Co., rentals and tolls	64.30	
Somerville Electric Light Co., lighting	15.09	
Cambridge Gas Light Co., gas	169.11	
Charlestown Gas & Electric Co., gas	189.47	
<i>Amounts carried forward</i> . . .	\$15,112.10	\$16,174.23

<i>Amounts brought forward</i> . . .	\$15,112.10	\$16,174.23
City of Boston, water . . .	593.90	
J. E. Parsons, hardware . . .	1.25	
E. S. Daniels, tuning pianos . . .	9.00	
John C. Haynes & Co., pitch pipes . . .	15.14	
Dame, Stoddard & Kendall, supplies	122.34	
F. C. Baldwin, disbursements . . .	5.30	
C. M. Coffin, sewing materials . . .	5.08	
S. Henry Hadley, music . . .	63.53	
M. J. Wendall, disbursements . . .	9.27	
G. M. Wadsworth, ribbon . . .	4.00	
J. S. Emerson, ribbon . . .	4.00	
C. E. Brainard, ribbon . . .	5.81	
F. C. Baldwin, ribbon . . .	7.90	
G. E. Nichols, ribbon . . .	3.60	
F. W. Shattuck, ribbon . . .	2.12	
S. A. Johnson, ribbon . . .	3.20	
G. P. Fisk & Co., ribbon . . .	12.16	
J. W. Coveney, rent of Post-Office box	2.00	
Cole's Express, expressing . . .	2.00	
Charles A. Farnham, expressing . . .	37.35	
Gilman Express Co., expressing . . .	1.45	
Perham's Express, expressing . . .	.90	
Bancroft's Express, expressing . . .	.30	
Stilphen & Co., expressing . . .	2.40	
	<hr/>	
	\$16,026.10	
Excess and Deficiency, balance to credit of account . . .	148.13	
	<hr/>	
		<u>\$16,174.23</u>

SCHOOL CONTINGENT, JANITORS' SALARIES.

CREDIT.

Appropriations, amount assessed	\$11,000.00
<i>Amount carried forward</i>	<u>\$11,000.00</u>

Amount brought forward \$11,000.00

DEBIT.

Cash, paid janitors' salaries as per pay rolls	\$10,686.13	
Excess and Deficiency, balance to credit of account	313.87	
	<hr/>	\$11,000.00

SCHOOL FUEL.

CREDIT.

Appropriations, amount assessed	\$9,000.00
Cash, received of F. M. Burroughs, coal from Bras-tow Schoolhouse	26.75
	<hr/>
	\$9,026.75

DEBIT.

Cash, paid B. F. Wild & Co., fuel	\$3,289.96	
Horatio Wellington & Co., fuel	3,309.38	
George M. Winslow & Co., fuel	1,406.65	
Baker, Hunnewell Co., fuel	942.13	
	<hr/>	
	\$8,948.12	
Excess and Deficiency, balance to credit of account	78.63	
	<hr/>	\$9,026.75

SCHOOLHOUSE, BINGHAM ADDITION.

CREDIT.

Balance from 1893	\$8,290.00
Appropriations, amount appropriated by borrowing on Funded Debt account	1,000.00
	<hr/>
<i>Amount carried forward</i>	\$9,290.00

<i>Amount brought forward</i>		\$9,290.00
DEBIT.		
Cash, paid John Kelley on account of contract and extra work	\$4,842.99	
A. A. Sanborn, heating apparatus	3,635.84	
H. W. Johns Mfg. Co., asbestos	75.33	
James F. Davlin, plumbing	75.00	
Fuller & Matthews, carpentering	8.40	
Moulton L. Libby, clocks	20.00	
Walter Bates & Son, concreting	95.40	
H. B. Sellon, labor	25.75	
Chandler Adjustable Chair & Desk Co., furniture	362.25	
P. Derby & Co., furniture	29.67	
E. R. Perham, expressing	32.24	
M. G. Staples, expressing	4.00	
	<hr/>	
	\$9,206.87	
Excess and Deficiency, balance to credit of account	83.13	
	<hr/>	
		<u>\$9,290.00</u>

SCHOOLHOUSE, EDGERLY ADDITION.

CREDIT.		
Balance from 1893		\$ 456.67
Appropriations, amount appropriated by borrowing on Funded Debt account		2,000.00
		<hr/>
		\$2,456.67
DEBIT.		
Cash, paid Smith Heating and Ventilating Co., on account of heating apparatus	\$1,696.50	
	<hr/>	
<i>Amounts carried forward</i>	\$1,696.50	<u>\$2,456.67</u>

<i>Amounts brought forward</i> . . .	\$1,696.50	\$2,456.67
H. W. Johns Manufacturing Co., asbestos	50.50	
A. C. Winning, mason work . . .	44.95	
F. C. Ayer, Agent, lumber . . .	45.24	
	<hr/>	
	\$1,837.19	
Balance to credit in account 1895 . .	619.48	
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		<u>\$2,456.67</u>

SCHOOLHOUSE, ENGLISH HIGH.

CREDIT.

Balance from 1893	\$81,482.00
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DEBIT.

Cash, paid W. S. Sampson on account of contract	\$40,000.00	
W. S. Sampson, extras	1,893.40	
Hartwell & Richardson, architects	1,000.00	
J. F. Bubert, electrical work	500.00	
John M. Woods, services as referee	150.00	
Willard C. Hill, premium of in- surance	75.00	
Joseph Young, labor	5.00	
Fred Young, labor	70.00	
H. B. Sellon, labor	33.25	
Henry A. Angier, labor	64.00	
Charles Bridges, labor	82.50	
Water Maintenance account, labor and material	6.48	
Water Services account, labor and material	167.70	
Sewer Assessments account, sewer	138.00	
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	\$44,185.33	
Balance to credit in account 1895 . .	37,296.67	
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		<u>\$81,482.00</u>

SCHOOLHOUSE, HIGH AND ENGLISH HIGH, HEATING,
VENTILATING AND PLUMBING.

CREDIT.

Appropriations, amount appropriated by borrowing on Funded Debt account	\$35,000.00
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DEBIT.

Cash, paid A. A. Sanborn on account of contract for heating appa- ratus, etc.	\$22,811.74	
Jarvis Engineering Co., air shafts	1,006.20	
W. S. Sampson, extras on account of heating plant	714.94	
Fred C. Fuller, carpentering	119.85	
Frank A. Fuller & Co., carpenter- ing	63.63	
D. P. Bucknam, mason work	228.88	
H. W. Johns Manufacturing Co., asbestos	60.07	
Clarence G. Reed, plastering	211.73	
James Tucker & Son, plumbing	2,440.99	
J. Lincoln Collins, wire guards	23.20	
Cambridge Gas Light Co., gas	17.28	
City of Boston, water	56.40	
Committee on Public Property, travelling expenses	42.37	
	<hr/>	
	\$27,797.28	
Balance to credit in account 1895	7,202.72	
	<hr/>	
		\$35,000.00

SCHOOLHOUSE INCIDENTALS.

CREDIT.

Appropriations, amount assessed		\$12,000.00
Cash, received of Dana W. Bennett, Agent, return premium of in- surance	\$61.80	
Hartford Steam Boiler Inspection & Insurance Co., returned premium of insurance	50.00	
William E. Cassidy, old iron	1.00	112.80
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Excess and Deficiency, balance to debit of account		3,609.59
		<hr/>
		\$15,722.39

DEBIT.

Cash, paid Chandler Adjustable Chair & Desk Co., furniture	\$889.60	
P. Derby & Co., furniture	55.67	
Jackson Caldwell & Co., furniture	9.00	
Winchester Furniture Co., furni- ture	18.80	
Derby, Kilmer & Pond Desk Co., furniture	9.00	
H. A. Pestell, shades	67.40	
H. W. Tarbell, shades	2.75	
R. H. White & Co., rugs	15.50	
S. W. Choate, Agent, slate boards	143.94	
I. L. Corthell, electric work	13.03	
Corthell & Pollard, electric work	5.63	
Fuller & Matthews, carpentering	141.67	
John D. Hills, carpentering	147.51	
Osgood & Stevens, carpentering	29.23	
<hr/>		
<i>Amounts carried forward</i>	\$1,548.73	\$15,722.39

<i>Amounts brought forward</i> . . .	\$1,548.73	\$15,722.39
C. A. Slager, carpentering . . .	24.30	
John R. Thompson, carpentering . . .	38.92	
F. A. Chandler, carpentering . . .	6.00	
F. Burckes, carpentering . . .	15.00	
D. G. Marston, carpentering . . .	116.55	
George W. Trefren, Jr., carpenter- ing	25.10	
W. O. Francis, carpentering . . .	18.00	
Frank A. Fuller & Co., carpenter- ing	515.82	
H. S. Brackett, carpentering . . .	12.10	
Charles H. Dyer, carpentering . . .	143.18	
F. S. Aldrich, carpentering . . .	92.50	
Architectural Wood Working Co., carpentering	24.21	
H. B. Sellon, carpentering . . .	232.50	
H. W. Covell, plumbing . . .	15.03	
James F. Davlin, plumbing . . .	27.81	
J. E. Parsons, plumbing . . .	159.50	
C. W. Cahalan, plumbing . . .	8.13	
W. L. Snow, plumbing . . .	15.31	
D. G. Green, plumbing . . .	5.32	
W. J. Kennedy, plumbing . . .	177.10	
James Tucker & Sons, plumbing . . .	11.30	
J. A. Durell, hardware, etc. . .	829.47	
Howe & Flint, hardware, etc. . .	1,178.00	
Wm. E. Plumer & Co., hardware, etc.	168.52	
W. I. Heald, hardware, etc. . .	60.65	
John A. Merrifield, hardware, etc. . .	154.66	
Whitney & Snow, hardware, etc. . .	5.45	
F. C. Fuller & Son, ventilator, etc.	270.61	
Charles A. Holmes, stove work . . .	6.73	
J. W. Johnson, mason work . . .	38.70	
<i>Amounts carried forward</i> . . .	\$5,945.20	\$15,722.39

<i>Amounts brought forward</i> . . .	\$5,945.20	\$15,722.39
Henry P. Lovering, Jr., mason work	100.59	
D. P. Bucknam, mason work	215.37	
J. M. Burckes, mason work	3.50	
Clarence G. Reed, mason work	238.25	
A. C. Winning, mason work	85.24	
Thomas Dowd, mason work	40.00	
B. E. Higgins, mason work	268.00	
Fred Davis, mason work	4.12	
J. F. Burton, painting and glazing	14.75	
Ramsay Clark, painting and glazing	1.00	
W. J. Logan, painting and glazing	13.25	
M. J. Goodwin, painting and glazing	4.50	
Frank S. Norris, painting and glazing	8.00	
Daniel W. McDermott, painting and glazing	18.75	
J. H. Hollis, painting and glazing	20.25	
E. T. Peterson, painting and glazing	97.50	
E. B. Jones, painting and glazing	51.25	
James Scott, painting and glazing	177.50	
E. F. Palmer, painting and glazing	120.00	
R. Daley, painting and glazing	112.50	
Frank H. Smith, painting and glazing	80.00	
S. Cotton Pennock, painting and glazing	30.00	
J. Q. Twombly, painting and glazing	494.43	
<i>Amounts carried forward</i> . . .	<hr/> \$8,143.95	<hr/> \$15,722.39

<i>Amounts brought forward</i> . . .	\$8,143.95	\$15,722.39
H. W. Johns Mfg. Co., paints, etc.	429.24	
G. F. Ericson, repairs of furniture	249.35	
H. A. Chick & Co., repairs of furniture	6.80	
F. H. Harding, repairs of furniture	12.50	
George W. Manning, repairs	95.75	
F. H. Flagg, repairs	1.25	
Walter Bates & Son, concreting	504.00	
Wilbur P. Rice, door and frame	2.80	
Somerville Iron Foundry, ring and cover	4.60	
Williams & Co., soapstone work	130.80	
Jarvis Engineering Co., traps	159.70	
Carlisle, Ayer & Co., doors	13.44	
Boston Spar Co., flagstaff	75.30	
L. C. Seavey, roofing	121.52	
Smith Heating & Ventilating Co., furnace work	46.35	
Sullivan & Naughton, gas-fitting	9.78	
T. L. DeLano, gas-fitting	4.00	
Cambridge Gas Light Co., supply pipe	26.51	
Somerville Electric Light Co., arc light	12.00	
Electric Gas Lighting Co., batteries	2.35	
Pettingill-Andrews Co., batteries	2.29	
A. A. Sanborn, steam-fitting	56.27	
George F. Perry & Co., ink wells	118.14	
W. G. Hallock, dust brushes, etc.	174.50	
Thomas Groom & Co., books	7.00	
Hinkley Bros. & Co., rope	3.80	
W. H. Bullard, oil	1.02	
P. Sutherland & Co., oil	16.44	
<i>Amounts carried forward</i> . . .	\$10,431.45	\$15,722.39

<i>Amounts brought forward</i> . . .	\$10,431.45	\$15,722.39
Mark A. Torrey Co., soap . . .	35.00	
H. W. Burgess, sand . . .	.50	
R. M. Sturtevant, salt . . .	.35	
M. M. Percell, supplies . . .	.90	
Boston Germicide Co., germicide . . .	20.40	
J. F. Fuller & Co., disinfectant . . .	4.50	
F. C. Ayer, Agent, lumber . . .	137.30	
I. H. Brown & Co., lumber . . .	31.66	
S. W. Fuller, lumber . . .	12.32	
Wm. H. Wood & Co., lumber . . .	14.78	
Cunningham Iron Works Co., boiler work	362.55	
George A. Richards, moving boiler	10.00	
F. D. Snow, door checks . . .	9.50	
J. Lincoln Collins, wire work . . .	142.00	
William Hall & Co., locks . . .	9.82	
S. J. Wood, keys, etc. . . .	71.80	
F. D. Weld, ladders	32.70	
F. A. Titus, gas-fitting	7.90	
Jacob Woodbury, tools	19.80	
Seward Dodge, tools	2.55	
Percey N. Kenway, inspecting heating apparatus	25.00	
Elijah Walker, services as referee . . .	15.00	
C. O. Stone, services as referee . . .	7.50	
Boston Belting Co., hose	35.25	
H. W. Smith & Co., clock work . . .	21.00	
George F. Horton & Co., clock work	33.00	
David Cutter, clock work	35.00	
Daniel Crocker, clock work	84.50	
Moulton C. Libbey, clock work . . .	2.00	
Henry W. Pitman, printing	8.00	
Anthony Hadabolets, rent	325.00	
<i>Amounts carried forward</i> . . .	<u>\$11,949.03</u>	<u>\$15,722.39</u>

<i>Amounts brought forward</i> . . .	\$11,949.03	\$15,722.39
Michael J. Coneeney, pruning trees	21.25	
Daniel McIntire, vines . . .	1.00	
Woodbridge Hotel, refreshments	6.00	
Thomas Thurlow, labor . . .	6.00	
Patrick O'Connell, labor . . .	41.38	
N. L. Pennock, labor . . .	2.00	
A. B. Colesworthy, labor . . .	32.75	
C. A. Southwick, labor . . .	60.20	
A. A. Lewis, labor	9.00	
H. McCarthy, labor	13.75	
H. H. Mayville, labor	20.00	
John O'Brien, labor	12.00	
W. H. Denton, labor	2.00	
Wm. H. Kelley, labor	40.00	
George H. Goss, labor	12.50	
D. H. Rimm, labor	15.00	
F. A. Wellman, labor	97.50	
W. H. Laskey, labor	1.75	
Fred F. Young, labor	52.00	
P. Bowdren, labor	55.00	
M. Steavens, labor	23.00	
Wilfred Young, labor	22.00	
E. J. Young, labor	23.00	
J. F. Walker, labor	23.00	
Mrs. Aylward, labor	15.00	
Mrs. Barnes, labor	17.00	
Mrs. Fitzsimmons, labor	17.50	
Mrs. Gilman, labor	12.00	
Mrs. Hartness, labor	17.00	
Mrs. Shiner, labor	12.00	
J. H. Thompson, carriage hire	12.50	
George F. McKenna, carriage hire	34.00	
R. A. R. Benson, teaming	25.75	
M. G. Staples, teaming	43.25	
Owen Cunningham & Son, teaming	1.00	
<i>Amounts carried forward</i> . . .	\$12,748.11	\$15,722.39

<i>Amounts brought forward</i>	\$12,748.11	\$15,722.39
George W. Prichard, teaming	49.25	
John Silk, teaming	12.50	
E. R. Perham, expressing	40.05	
Charles E. Farnham, expressing	4.00	
McIntire & Co., expressing . . . . .	.50	
Martin O'Shaughnessy, expressing	1.00	
A. G. Renner, expressing . . . . .	.50	
Gilman Express Co., expressing	1.50	
Cummings & Co., expressing	1.50	
Roxbury Medical Co., polish	4.50	
James Deacon, whitewashing	10.00	
R. M. Johnson, removing soil	48.00	
Hinckley & Woods, premium of insurance	56.94	
I. B. Kendall, premium of insurance	112.50	
Arthur P. Hatch, premium of insurance	90.00	
George W. Foster, premium of insurance	112.50	
H. W. P. Colson, premium of insurance	90.00	
Willard C. Hill, premium of insurance	600.00	
Charles S. Robertson, premium of insurance	450.00	
William A. Muzzey, premium of insurance	75.00	
Hartford Steam Boiler Inspector & Insurance Co., premium of insurance	450.00	
Water Services account, water services	75.70	
Sidewalks account, edgestone	88.34	
	<hr/>	
	\$15,122.39	
Police Station Incidentals, amount transferred	600.00	
	<hr/>	
		<u>\$15,722.39</u>

SCHOOLHOUSE, O. S. KNAPP ADDITION.

CREDIT.

Appropriations, amount appropriated by borrowing on Funded Debt account	\$15,500.00
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DEBIT.

Cash, paid John Kelley on account of contract and extras . . .	\$10,318.10	
Loring & Phipps, architects . .	325.00	
Braman, Dow & Co., heating apparatus	1,000.00	
Chandler Adjustable Chair and Desk Co., furniture . . .	772.10	
P. Derby & Co., furniture . . .	32.33	
Charles S. Robertson, insurance .	40.00	
James F. Davlin, plumbing . . .	14.95	
J. A. Durell, gas-fitting . . .	18.10	
Cambridge Gas Light Co., gas . .	23.13	
Clarence G. Reed, plastering . .	4.25	
P. Bowdren, grading	8.00	
Charles H. Dyer, labor	8.75	
George H. Goss, labor	26.25	
David G. Marston, labor	21.25	
C. A. Southwick, labor	6.25	
E. R. Perham, expressing	5.00	
	<hr/>	
	\$12,623.46	
Balance to credit in account 1895	2,876.54	
	<hr/>	
		\$15,500.00

SCHOOLHOUSE, WARD FOUR, SOUTH SIDE FITCHBURG
RAILROAD.

CREDIT.

Balance from 1893	\$ 4,244.61
Appropriations, amount appropriated by borrowing on Funded Debt account	12,000.00
	<hr/>
<i>Amount carried forward</i>	\$16,244.61

Amount brought forward \$16,244.61

DEBIT.

Cash, paid Frank G. Coburn & Co. on account of contract and extras	\$13,156.83
Samuel Dudley Kelley, archi- tect	750.00
A. A. Sanborn, on account of con- tract for heating apparatus .	1,000.00
Chandler Adjustable Chair and Desk Co., furniture . . .	719.60
P. Derby & Co., furniture . . .	10.50
William Hall & Co., brass work .	17.17
Holland & Daniels, shades . . .	50.40
F. Burckes, carpentering . . .	10.00
George W. Trefren, carpenter- ing	15.70
John D. Hills, carpentering . . .	52.56
G. H. Harding, carpentering . . .	7.50
H. B. Sellon, carpentering . . .	8.75
F. W. Choate, blackboards . . .	270.75
W. H. Wood & Co., lumber . . .	77.34
F. C. Ayer, Agt., lumber . . .	7.48
F. C. Fuller & Co., hardware . . .	.52
Willard C. Hill, premium of in- surance	7.50
E. R. Perham, expressing . . .	5.00
David G. Marston, labor . . .	8.75
George H. Foss, labor . . .	2.50
F. S. Aldrich, labor . . .	6.25
P. Bowdren, labor . . .	5.00

\$16,190.10

Balance to credit in account 1895 54.51

\$16,244.61

SCHOOL TEACHERS SALARIES.

CREDIT.

Appropriations, amount assessed	\$125,000.00
Excess and Deficiency, balance to debit of account	3,755.39
	<hr/>
	\$128,755.39

DEBIT.

Cash, paid salaries as per pay rolls	\$128,755.39
	<hr/>

SEWER ASSESSMENTS.

CREDIT.

Cash, received of sundry persons	\$11,359.93
Sewers, abatements to sundry persons	233.50
Balance to debit in account 1895	10,353.10
	<hr/>
	\$21,946.53

DEBIT.

Balance from 1893	\$ 9,833.92
Sewers, assessments levied	12,112.61
	<hr/>
	\$21,946.53

SEWERS, CONSTRUCTION.

CREDIT.

Balance from 1893	\$ 256.75
Appropriations, amount appropriated by borrowing on Funded Debt account	20,000.00
Cash, received of West End Street Railway Co., catch basin	\$ 17.44
Joseph F. Wilson, private sewer	70.93
Henry Green, fee for entering Line street sewer	100.63
	<hr/>
	189.00
	<hr/>
<i>Amount carried forward</i>	\$20,445.75

<i>Amount brought forward</i>		\$20,445.75
J. E. Parsons, constructing sewer in Pearl street	\$ 97.97	
Sidewalks account, edgestones, etc.	37.41	
Highways, City Stable account, sewer	702.21	
Highways account, catch basin curbs	6.91	
		<hr/> 844.50
Sewer Assessments, assessments levied		12,112.61
		<hr/> \$33,402.86

DEBIT.

Cash, paid laborers	\$3,307.27	
George D. Goodrich, drain pipe	2,868.69	
W. A. Sanborn, bricks	251.30	
Wm. R. Maxwell, bricks	157.95	
D. Warren De Rosay, bricks	287.20	
Osgood & Hart, catch basin covers	143.10	
Barbour, Stockwell & Co., traps	137.50	
Sweatt & Gould, catch basin stones	416.00	
Pigeon Hill Granite Co., catch basin stones	607.00	
David W. Lewis, grate, etc.	36.00	
Whitney & Snow, cement	176.56	
J. E. Herrick, cement	17.85	
Charles L. Underhill, blacksmith- ing	2.50	
Mechanics Iron Foundry Co., tide gates	28.00	
I. H. Brown & Co., arch and circle	3.58	
A. C. White, carpentering	3.00	
		<hr/>
<i>Amounts carried forward</i>	\$8,443.50	\$33,402.86

<i>Amounts brought forward</i> . . .	\$8,443.50	\$33,402.86
W. P. Rice, lumber	1.85	
Horatio Wellington & Co., wood	1.00	
Owen Cunningham & Co., sand	3.75	
Charles J. Simpson, sand	5.60	
M. W. Carr, sand	3.00	
Sylvester & Co., iron rods	5.13	
Thomas Groom & Co., books	17.00	
Citizen Publishing Co., advertising	21.00	
Somerville Journal Co., advertising	28.75	
A. M. Prescott, teaming	701.15	
John Silk, teaming	53.75	
George F. McKenna, teaming	5.00	
Ernest W. Danforth, inspecting	48.00	
Fred E. Jones, inspecting	3.50	
R. W. Pond, inspecting	2.06	
Charles B. Stevens, Register, recording	25.71	
E. A. Pinnock, typewriting	19.35	
John H. Stevens, award for damages	50.00	
Philip & R. Nutting, award for damages	50.00	
B. W. Cotton, award for damages	100.00	
Christopher Burke, sewer in Warwick street	1,587.10	
Christopher Burke, sewer in Broadway and Liberty avenue	875.12	
Christopher Burke, sewer in Summit street	55.46	
Christopher Burke, sewer in Kenwood street	65.60	
Christopher Burke, sewer in Billingham street	63.23	
<i>Amounts carried forward</i> . . .	\$12,235.61	\$33,402.86

<i>Amounts brought forward</i> . . .	\$12,235.61	\$33,402.86
Richard Falvey, sewer in Banks street	38.15	
Richard Falvey, sewer in Elm street	158.78	
Richard Falvey, sewer in Francesca avenue	525.90	
Richard Falvey, sewer in Talbot, Packard and Sawyer avenues .	1,413.42	
Crimmings & Collins, sewer in Rogers avenue	201.82	
Crimmings & Collins, sewer in Ellington road	64.36	
Crimmings & Collins, sewer in Hall avenue	2,242.13	
Crimmings & Collins, sewer in Charnwood road	52.53	
Crimmings & Collins, sewer in passageway off Newbury street	44.25	
Crimmings & Collins, sewer in Summer street	571.00	
Dennis C. Collins, sewer in Vine court	36.90	
Charles Linnehan, sewer in Granite street	81.94	
Willard B. Bryne, sewer in Billingham street	87.44	
Willard B. Bryne, sewer in Chandler street	24.13	
Willard B. Bryne, sewer in Glen street	83.59	
Willard B. Bryne, sewer in Pearl street place	90.43	
Willard B. Bryne, sewer in Congress place	45.46	
Willard B. Bryne, sewer in Wallace street	23.23	
<i>Amounts carried forward</i> . . .	\$18,021.07	\$33,402.86

<i>Amounts brought forward</i> . . .	\$18,021.07	\$33,402.86
Willard B. Bryne, sewer in Broadway	723.16	
Charles A. Mongan, sewer in Broadway	256.75	
Charles A. Mongan, sewer in Wheeler street	159.65	
Charles A. Mongan, sewer in Tower street	49.82	
Charles A. Mongan, sewer in Pearl street	63.10	
Charles A. Mongan, sewer in Central street and Westwood road	1,095.61	
Charles A. Mongan, sewer in passageway off Cross street	28.53	
Charles A. Mongan, sewer in Richdale avenue	12.50	
Charles A. Mongan, sewer in Jenny Lind avenue	258.30	
Charles A. Mongan, sewer in Benton avenue	56.35	
Charles A. Mongan, sewer in Putnam street	217.57	
Charles A. Mongan, sewer in York terrace	22.74	
Charles A. Mongan, sewer in Leland street	133.20	
Charles A. Mongan, sewer in Summer street	166.09	
Charles A. Mongan, sewer in North Union street	188.99	
Maurice Buttimer, sewer in Snow terrace	168.37	
Maurice Buttimer, sewer in Laurel place	224.75	
<i>Amounts carried forward</i> . . .	<hr/> \$21,846.55	<hr/> \$33,402.86

<i>Amounts brought forward</i> . . .	\$21,846.55	\$33,402.86
Maurice Buttimer, sewer in Talbot, Sawyer and Packard avenues	1,433.48	
Maurice Buttimer, sewer in Melvin street	39.03	
Maurice Buttimer, sewer in private land and Kidder avenue	1,130.65	
Hervey A. Hanscome, sewer in West street	47.91	
Hervey A. Hanscome, sewer in Sycamore street	93.80	
Hervey A. Hanscome, sewer in Lawrence street	12.29	
Hervey A. Hanscome, sewer in School street	14.03	
Hervey A. Hanscome, sewer in private lands, Lowell, Woodbine and Centre streets	63.25	
Charles A. Mongan, laying drain	32.74	
Water Works Extension account, pipe	9.40	
Highways, City Stable account, sewer	468.16	
Sewer Assessments, abatements .	233.50	
	<hr/>	
	\$25,424.79	
Balance to credit in account 1895	7,978.07	
	<hr/>	
		\$33,402.86

SEWERS, MAINTENANCE.

CREDIT.

Appropriations, amount assessed		\$7,000.00
Cash, received of Massachusetts General Hospital, annual fee for permission to enter Fitchburg Street Sewer	\$50.00	
	<hr/>	
<i>Amounts carried forward</i> . . .	\$50.00	\$7,000.00
(12a)		

<i>Amounts brought forward</i> . . .	\$50.00	\$7,000.00
L. R. Wentworth and G. T. Blossom, Trustees, dividend on bill for labor, etc.	7.80	
Augustus T. Sawyer, labor, etc.	6.25	
Christopher Burke, labor, etc.	9.64	
W. B. Bryne, puddling	8.64	
Richard Falvey, puddling	4.00	
Crimmings & Collins, puddling	8.00	
Public Grounds account, bricks, etc.	1.00	
	<hr/>	95.33
Excess and Deficiency, balance to debit of account		164.72
		<hr/>
		\$7,260.05

DEBIT.

Cash, paid laborers	\$3,231.98	
George D. Goodrich, drain pipe	35.24	
Whitney & Snow, tools and cement	78.71	
J. E. Herrick, cement	1.25	
F. C. Fuller & Co., tools	1.50	
M. W. Carr, sand . . . . .	.50	
Howe & Flint, pipe . . . . .	.60	
T. F. Farrington, carpentering	6.60	
Charles L. Underhill, blacksmithing	8.35	
F. Dooris, blacksmithing . . . . .	.60	
F. M. Fuller, wood	1.00	
F. C. Ayer, Agent, lumber	40.53	
I. H. Brown & Co., lumber	1.40	
W. B. Bryne, labor	23.45	
Wm. R. Maxwell, bricks . . . . .	.80	
W. A. Sanborn, bricks	6.40	
D. Warren De Rosay, bricks	8.00	
	<hr/>	
<i>Amounts carried forward</i>	\$3,446.91	\$7,260.05

<i>Amounts brought forward</i>	\$3,446.91	\$7,260.05
Perrin, Seamans & Co., derrick	105.00	
Wilson & Silsby, canvas	3.50	
Cornelius Callahan Co., repairs of hose	2.59	
New England Dressed Meat and Wool Co., setting glass	2.25	
Robert Burlen, book binding	18.00	
Thomas Groom & Co., books	20.00	
Samuel White, rubber boots	45.00	
Edson Mfg. Co., repairs of pump	2.35	
City of Boston, water	40.00	
A. M. Prescott, teaming	1,092.88	
E. W. Danforth, inspecting	6.00	
Fred E. Jones, inspecting	1.50	
R. W. Pond, inspecting	3.94	
George I. Shedd, car fares	63.10	
City of Cambridge, five-ninths cost of cleaning outlet of Bridge Street Sewer	2,402.03	
	<hr/>	<hr/> <u>\$7,260.05</u>

SIDEWALKS.

CREDIT.

Appropriations, amount assessed	\$10,000.00
Cash, received of Schoolhouse Incidentals account, edgestones	88.34
Sidewalks, assessments levied	9,817.31
	<hr/>
	\$19,905.65

DEBIT.

Cash, paid laborers	\$4,897.53	
W. J. McCarthy, edgestones	5,222.84	
W. A. Sanborn, bricks	3,050.60	
	<hr/>	<hr/>
<i>Amounts carried forward</i>	\$13,170.97	\$19,905.65

<i>Amounts brought forward</i> . . .	\$13,170.97	\$19,905.65
N. M. Cofran & Co., bricks . . .	3,488.60	
Wm. R. Maxwell, bricks . . .	848.00	
Somerville Journal Co., advertising . . .	144.50	
Citizen Publishing Co., advertising . . .	124.00	
Thomas Groom & Co., books . . .	26.00	
J. E. Herrick, cement . . .	5.00	
Timothy F. Crimmings, teaming . . .	5.00	
James Fannon, teaming . . .	5.00	
Frank Grant, teaming . . .	10.00	
Martin Gill, teaming . . .	5.00	
John F. Elkins, teaming . . .	5.00	
George F. McKenna, teaming . . .	15.00	
W. J. McLaughlin, teaming . . .	35.00	
Maurice Buttimer, teaming . . .	10.00	
Frank Buttimer, teaming . . .	5.00	
Highways account, labor and materials	1,897.74	
Sewers account, edgestones . . .	37.41	
Sidewalk Assessments, abatements . . .	31.67	
	<hr/>	
	\$19,868.89	
Excess and Deficiency, balance to credit of account	36.76	
	<hr/>	
		<u>\$19,905.65</u>

SIDEWALK ASSESSMENTS.

CREDIT.

Cash, received of Sundry Persons	\$9,430.97
Sidewalks, assessments abated	31.67
Balance to debit in account 1895	4,989.79
	<hr/>
	\$14,452.43

DEBIT.

Balance from 1893	\$4,635.12
Sidewalks, assessments levied	9,817.31
	<hr/>
	<u>\$14,452.43</u>

STATE AID.

CREDIT.

State of Massachusetts, amount paid in 1894 charged to State	\$7,436.00
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DEBIT.

Cash, paid monthly pay rolls	\$7,436.00
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STATE OF MASSACHUSETTS.

CREDIT.

Appropriations, amount appropriated	\$31,380.00
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DEBIT.

Cash, paid State Treasurer, state tax	\$31,380.00
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STATE OF MASSACHUSETTS, METROPOLITAN SEWER.

CREDIT.

Appropriations, amount assessed	\$22,230.79
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DEBIT.

Cash, paid State Treasurer, assessment of 1894	\$22,230.79
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STATE OF MASSACHUSETTS, NON-RESIDENT BANK
STOCK.

CREDIT.

Appropriations, amount assessed	\$847.80
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DEBIT.

Cash, paid State Treasurer, amount collected on non- resident stock	\$847.80
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STATE OF MASSACHUSETTS, BURIAL OF INDIGENT SOLDIERS AND SAILORS.

CREDIT.

Cash, received of the State Treasurer for burials in	
1893	\$ 17.50
Balance, Dec. 31, 1894, due from State Dec. 10,	
1895	157.50
	<hr/>
	\$175.00

DEBIT.

Balance from 1893	\$ 35.00	
Relief and Burial of Indigent Soldiers		
and Sailors, amount paid for		
burials in 1894	140.00	
	<hr/>	\$175.00
		<hr/>

STATE OF MASSACHUSETTS, INDIGENT SOLDIERS AND SAILORS.

CREDIT.

Cash, received of State Treasurer	\$374.50
Balance, Dec. 31, 1894, due from State Dec. 10,	
1895	282.00
	<hr/>
	\$656.50

DEBIT.

Balance from 1893	\$360.50	
Indigent Soldiers and Sailors, one half		
of amount paid in 1894	296.00	
	<hr/>	\$656.50
		<hr/>

STATE OF MASSACHUSETTS, STATE AID.

CREDIT.

Cash, received of State Treasurer	\$6,736.00
Balance, Dec. 31, 1894, due from State Dec. 10, 1895	7,312.00
	<hr/>
	\$14,048.00

DEBIT.

Balance from 1893	\$6,612.00
State Aid, amount paid in 1894	7,436.00
	<hr/>
	\$14,048.00

STREET LIGHTS.

CREDIT.

Appropriations, amount assessed	\$44,000.00
Cash, received of Globe Gas Light Co., old lanterns	165.00
	<hr/>
	\$44,165.00

DEBIT.

Cash, paid Somerville Electric Light Co., lighting	\$42,648.39
Moving lights	74.00
Wheeler Reflector Co., lighting	39.60
Weston Electric Instrument Co., instruments	141.25
M. G. Staples, teaming	10.00
Charles E. Farnham, expressing	1.60
Leighton W. Manning, car fares	3.90
Patrick O'Connell, moving posts	2.50
Henry W. Pitman, printing	30.35
Somerville Journal Co., printing	4.25
	<hr/>
	\$42,955.84
Excess and Deficiency, balance to credit of account	1,209.16
	<hr/>
	\$44,165.00

SUNDRY PERSONS.

CREDIT.

Balance from 1893	\$ 787.60
Interest, coupons not paid	1,380.00
Water Loan Interest, coupons not paid	315.00
	<hr/>
	\$2,482.60

DEBIT.

Cash, paid Sundry Persons amounts due them	\$ 592.50
Balance to debit in account 1895	1,890.10
	<hr/>
	<u>\$2,482.60</u>

SUPPORT OF POOR.

CREDIT.

Appropriations, amount assessed		\$15,000.00
Cash, received for support of paupers : —		
Of State of Massachusetts	\$954.09	
Of City of Boston	466.22	
Of City of Cambridge	265.49	
Of City of Lowell	6.00	
Of City of Malden	13.60	
Of City of Medford	61.05	
Of City of Newton	469.89	
Of City of Northampton	24.65	
Of City of Waltham	35.00	
Of City of Woburn	21.35	
Of Town of Brookline	2.00	
Of Town of Canton	15.41	
Of Town of Lexington	146.00	
Of Town of North Andover	162.09	
Of Town of North Adams	5.00	
Of Town of Revere	114.55	
Of Town of Stoneham	52.14	
	<hr/>	
<i>Amounts carried forward</i>	\$2,814.53	\$15,000.00

<i>Amounts brought forward</i> . . .	\$2,814.53	\$15,000.00
Of State of Massachusetts, burials	78.00	
Frank W. Kaan, guardian, aid furnished	84.96	
John C. Harris, aid furnished . .	84.50	
Charles Cooper, aid furnished . .	39.00	
Grace Farrell, aid furnished . .	30.18	
Samuel Collieson, aid furnished . .	169.47	
Patrick Buckley, aid furnished . .	10.00	
W. H. Roach, money not called for	6.00	
Elizabeth J. Bullock, money not called for	5.00	
Andrew Maloney, money not called for	3.00	
Malachi Butler, money not called for	3.00	
Relief and Burial of Indigent Sol- diers and Sailors account, aid furnished	41.00	3,368.64
Excess and Deficiency, balance to debit of account		1,364.49
		<hr/>
		\$19,733.13

DEBIT.

Cash, paid Commonwealth of Massa- chusetts, support of paupers . .	\$1,265.16	
Massachusetts School for the Feeble-minded	508.29	
Massachusetts Hospital for Dipso- maniacs, etc., support of paupers . .	152.03	
Worcester Lunatic Hospital . .	2,228.99	
Worcester Insane Asylum . .	838.03	
Taunton Lunatic Hospital . .	79.85	
Danvers Lunatic Hospital . .	1,155.98	
	<hr/>	<hr/>
<i>Amounts carried forward</i> . . .	\$6,228.33	\$19,733.13

<i>Amounts brought forward</i> . . .	\$6,228.33	\$19,733.13
Westboro Insane Hospital . . .	1,104.54	
Somerville Hospital . . .	537.79	
Boston Lunatic Hospital . . .	169.46	
House of the Angel Guardian . . .	96.00	
City of Boston . . .	391.55	
City of Cambridge . . .	250.15	
City of Everett . . .	52.40	
City of Worcester . . .	5.15	
City of Malden . . .	767.39	
City of Woburn . . .	12.26	
Town of Chelmsford . . .	111.55	
Town of Lexington . . .	63.21	
Town of Peabody . . .	546.09	
Town of Revere . . .	367.86	
Town of Raynham . . .	104.00	
Mary Burke, rent . . .	72.00	
John Murphey, rent . . .	84.00	
Ellen Driscoll, rent . . .	48.00	
Thomas Flemming, rent . . .	12.00	
Bridget Flemming, rent . . .	12.00	
Bridget Maher, rent . . .	60.00	
Sarah Gill, rent . . .	72.00	
A. E. Viles, Executor, rent . . .	72.00	
Maurice Terry, rent . . .	10.00	
James Ambrose, rent . . .	84.00	
Elizabeth Morrison, rent . . .	84.00	
Sarah Blake, rent . . .	5.00	
Michael Conlon, rent . . .	42.00	
Malachi Butler, rent . . .	24.00	
Owen McLaughlin, rent . . .	52.50	
O. H. Perry, Agt., rent . . .	70.00	
John Welsh, rent . . .	12.00	
Milo Scott, rent . . .	12.00	
Ann Kelley, board . . .	69.28	
Hannah M. Mayo, board . . .	169.45	
<i>Amounts carried forward</i> . . .	<u>\$11,873.96</u>	<u>\$19,733.13</u>

<i>Amounts brought forward</i>	\$11,873.96	\$19,733.13
Ann H. Sawin	69.28	
Ellen M. O'Donnell, board	104.30	
Morris Barry, board	104.30	
William R. Priest, board	108.55	
Elizabeth Trainor, board	3.43	
Charlotte Towle, board	68.56	
Catherine Cronin, board	94.00	
George Clapp, board	212.17	
Preston Cheney, board	212.17	
C. H. Dunbar, board	195.86	
Hannah Egan, board	76.53	
W. H. Roach, board	18.00	
Mary Curran, board	44.00	
E. Wilcomb, board	38.99	
A. B. Boynton, board	29.14	
N. C. Desmond, board	19.28	
W. H. Johnson, board	87.44	
J. R. Parkin, nursing	12.64	
Margaret Dandley, nursing	6.00	
Reuben Dailey, nursing	5.00	
J. H. Gordon, nursing	10.00	
Mary Lynch, nursing	10.00	
James Bartley, groceries and pro- visions	96.00	
Medford Street Market, groceries and provisions	66.50	
A. F. Carpenter, groceries and provisions	132.00	
Lovell & Divoll, groceries and provisions	209.00	
W. P. Blanchard, groceries and provisions	50.00	
William F. Ward, groceries and provisions	515.91	
C. A. Small, groceries and pro- visions	292.00	
<i>Amounts carried forward</i>	<u>\$14,765.01</u>	<u>\$19,733.13</u>

<i>Amounts brought forward</i> . . .	\$14,765.01	\$19,733.13
F. E. Robie & Son, groceries and provisions	27.00	
Sturtevant Brothers, groceries and provisions	222.00	
James Cuthbertson, groceries and provisions	6.00	
J. A. Litchfield, groceries and provisions	15.00	
D. E. Watson, groceries and provisions	54.00	
Charles F. Butters, groceries and provisions	187.06	
Sawyer & Read, groceries and provisions	445.50	
A. Munroe, groceries and provisions	44.00	
A. L. Leighton, groceries and provisions	38.25	
W. H. Bullard, groceries and provisions	196.99	
J. Canavan & Son, groceries and provisions	13.00	
John Canavan, groceries and provisions	6.00	
F. H. Turner & Co., groceries and provisions	3.50	
George J. Russell, groceries and provisions	31.33	
R. M. Sturtevant, groceries and provisions	229.00	
E. R. Lovell, groceries and provisions	27.00	
F. Rhoades, groceries and provisions	12.00	
Henry Gray, milk	13.83	
<i>Amounts carried forward</i> . . .	<hr/> \$16,336.47	<hr/> \$19,733.13

<i>Amounts brought forward</i> . . .	\$16,336.47	\$19,733.13
A. Fiske, crackers . . .	15.73	
Horatio Wellington & Co., fuel . . .	739.77	
J. H. Mongan, boots and shoes . . .	27.65	
Philip Eberle, boots and shoes . . .	85.70	
J. H. Brooks, dry goods . . .	18.80	
E. B. Bradshaw, clothing . . .	5.50	
Lakeside Novelty Co., disinfectant . . .	1.25	
Somerville Journal Co., printing . . .	5.50	
Thomas Groom & Co., stationery . . .	9.75	
New England Telephone & Tele- graph Company, rentals and tolls	73.25	
J. Q. Twombly, painting . . .	5.52	
M. G. Staples, teaming . . .	5.75	
A. M. Prescott, teaming . . .	8.00	
L. H. Brown, carriage hire . . .	18.00	
Howard Lowell, carriage hire . . .	8.50	
William Kirkland, carriage hire . . .	2.00	
Wm. A. Flaherty, services as un- dertaker	53.00	
P. H. Rafferty, services as under- taker	20.00	
E. H. Marsh, services as under- taker	34.00	
John S. McGowan, services as undertaker	41.00	
C. C. Folsom, salary as agent . . .	1,500.00	
Disbursements	312.99	
Cora F. Lewis, salary as secretary . . .	400.00	
	<hr/>	\$19,733.13

TAXES.

CREDIT.

Cash, received for taxes of 1889 . . .	\$ 11.00
“ “ “ “ 1890 . . .	195.00
“ “ “ “ 1891 . . .	216.40
	<hr/>
<i>Amount carried forward</i> . . .	\$422.40

<i>Amount brought forward</i> . . .	\$ 422.40	
Cash, received for taxes of 1892 . . .	33,831.00	
“ “ “ “ 1893 . . .	133,060.25	
“ “ “ “ 1894 . . .	562,885.52	
	<hr/>	\$730,199.17
Real Estate Liens, titles to the city for non-payment of taxes of 1892		60.00
Overlay and Abatement :		
Abatements on taxes of 1890 . . .	\$ 18.80	
“ “ “ “ 1891 . . .	63.40	
“ “ “ “ 1892 . . .	192.00	
“ “ “ “ 1893 . . .	6,107.30	
“ “ “ “ 1894 . . .	4,758.33	11,139.83
Balance to debit in account 1895 :		
Being uncollected taxes of 1889 . . .	\$ 78.00	
“ “ “ “ 1890 . . .	12,616.00	
“ “ “ “ 1891 . . .	5,288.20	
“ “ “ “ 1892 . . .	6,381.50	
“ “ “ “ 1893 . . .	48,822.90	
“ “ “ “ 1894 . . .	153,521.68	226,708.28
	<hr/>	<hr/>
		\$968,107.28

DEBIT.

Balance from 1893	\$ 246,941.75	
Appropriations, amount assessed for current expenses	628,500.00	
State of Massachusetts, amount assessed for State Tax	31,380.00	
State of Massachusetts, amount assessed for Metropolitan Sewer	22,230.79	
State of Massachusetts, amount assessed on Non-resident National Bank Stock	847.80	
County of Middlesex, amount assessed for County Tax	34,317.59	
Overlay and Abatement, amount added by the assessors	3,889.35	
	<hr/>	<hr/>
		\$968,107.28

TEMPORARY LOANS.

CREDIT.

Balance from 1893		\$219,800.00
Cash, borrowed by authority of the City Council on city notes as follows :		
Commonwealth of Massachusetts, nine months at $3\frac{1}{4}$ per cent. . \$	50,000.00	
F. S. Moseley & Co., eight months at 3 per cent.	100,000.00	
Brewster, Cobb & Estabrook, four months at $2\frac{1}{16}$ per cent. .	100,000.00	
Brewster, Cobb & Estabrook, three months at 3 per cent . . .	100,000.00	
Brewster, Cobb & Estabrook, four months at 3 per cent. . . .	200,000.00	
	<hr/>	550,000.00
		<hr/>
		\$769,800.00

DEBIT.

Cash, paid as follows :

Blake Brothers & Co., eight months, 6 per cent. . . .	\$ 5,000.00	
Blake Brothers & Co., twelve months, 6 per cent. . . .	10,000.00	
Blake Brothers & Co., twelve months, 6 per cent. . . .	1,000.00	
Blake Brothers & Co., twelve months, 6 per cent. . . .	1,000.00	
Blake Brothers & Co., twelve months, 6 per cent. . . .	5,000.00	
Blake Brothers & Co., twelve months, 6 per cent. . . .	1,000.00	
Blake Brothers & Co., twelve months, 6 per cent. . . .	1,000.00	
	<hr/>	
<i>Amounts carried forward . .</i>	\$24,000.00	\$769,800.00

<i>Amounts brought forward</i> . .	\$24,000.00	\$769,800.00
Blake Brothers & Co., twelve months, 6 per cent. . .	1,000.00	
Blake Brothers & Co., twelve months, 6 per cent. . .	1,000.00	
Blake Brothers & Co., twelve months, 6 per cent. . .	1,000.00	
Blake Brothers & Co., twelve months, 6 per cent. . .	1,000.00	
Blake Brothers & Co., twelve months, 6 per cent. . .	1,000.00	
Blake Brothers & Co., twelve months, 6 per cent. . .	1,000.00	
Blake Brothers & Co., twelve months, 6 per cent. . .	3,000.00	
Blake Brothers & Co., twelve months, 6 per cent. . .	10,000.00	
Blake Brothers & Co., twelve months, 6 per cent. . .	2,500.00	
Blake Brothers & Co., twelve months, 6 per cent. . .	1,000.00	
Blake Brothers & Co., five months, 21 days, 6 per cent. . .	50,000.00	
Blake Brothers & Co., twelve months, 6 per cent. . .	4,000.00	
Blake Brothers & Co., four months, 5½ per cent.	30,000.00	
Blake Brothers & Co., four months, 5½ per cent.	20,000.00	
Blake Brothers & Co., twelve months, 6 per cent. . . .	10,000.00	
Mary Langmaid, six months, 6 per cent.	4,000.00	
Trustees of Estate of William C. High, six months, 6 per cent. .	1,600.00	
E. Isalia Norwood, six months, 6 per cent.	2,000.00	
<i>Amounts carried forward</i> . .	\$167,100.00	\$769,800.00

<i>Amounts brought forward</i> . . .	\$167,100.00	\$769,800.00
Trustees of estate of Mary Hutchinson, twelve months, 6 per cent.	1,900.00	
George A. Hull, six months, 6 per cent.	1,000.00	
G. T. Burnham, Trustee, six months, 6 per cent.	1,500.00	
Henry E. Wright, four months, 6 per cent.	1,000.00	
W. Irving Heald, nine months, 6 per cent.	2,000.00	
Charles A. Skinner, eight months, 6 per cent.	1,000.00	
Lavinia W. Smith, eight months, 6 per cent.	800.00	
Somerville Co-operative Bank, twelve months, 6 per cent.	10,000.00	
Margaret Lawson, twelve months, 6 per cent.	1,500.00	
Commonwealth of Massachusetts, nine months, $3\frac{1}{4}$ per cent.	50,000.00	
F. S. Moseley & Co., eight months, 3 per cent.	100,000.00	
Brewster, Cobb & Estabrook, four months, $2\frac{1}{16}$ per cent.	100,000.00	
Brewster, Cobb & Estabrook, three months, 3 per cent.	100,000.00	
First Congregational Society, on account of note dated May 22, 1893, on demand at 4 per cent.	26,000.00	
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	\$563,800.00	
Balance to credit in account 1895	206,000.00	
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		\$769,800.00
		<hr/> <hr/>

WATER LOAN INTEREST.

CREDIT.

Cash, received of City of Boston, Water Rates	\$15,415.00
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DEBIT.

Cash, paid on Water Loan Debt :		
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\$253,000, one year, at 4 per cent.	\$10,120.00
\$1,000, six months, at 4 per cent.	20.00
\$94,500, one year, at 5 per cent.	4,725.00
\$10,000, one year, at 5½ per cent.	3,760.00

	<u>196.93</u> <u>147.65</u> <u>\$15,415.00</u>
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WATER MAINTENANCE.

CREDIT.

Cash, received of City of Boston, Water Rates, amount appropriated	\$32,500.00
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Dudley F. Hunt, <i>et. al.</i> , use of pipe as per contract	\$ 35.00
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Sundry Persons, turning off and on water	118.00
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Commonwealth of Massachusetts, iron pipe, etc.	13.95
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L. W. Dow, manure	12.00
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School House, English High, labor and materials	6.48
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John Mack, error in pay roll	10.50
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James Carr, money not called for	1.00
--	------

	196.93
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	147.65
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Water Services, amount transferred	<u>196.93</u> <u>147.65</u> <u>\$32,844.58</u>
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DEBIT.

Balance from 1893	\$ 596.67
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Cash, paid laborers	21,784.63
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Nathaniel Dennett, salary as superintendent	1,500.00
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Disbursements	45.33
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<i>Amounts carried forward</i>	<u>\$23,926.63</u> <u>\$32,844.58</u>
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<i>Amounts brought forward</i> . . .	\$23,926.63	\$32,844.58
Frank E. Merrill, salary as clerk . . .	900.00	
Disbursements	7.95	
Sidney E. Hayden, salary as engineer	1,100.00	
G. F. and S. E. Sturtevant, hay and grain	459.21	
Fulton O'Brien, hay and grain	67.06	
J. A. Marsh, hay and grain	20.52	
J. F. Ham, hay and grain	57.10	
Nathan Tufts & Sons, hay and grain	27.02	
Seward Dodge, blacksmithing	240.14	
Charles Maguire, blacksmithing	70.25	
F. Dooris, blacksmithing	82.39	
P. F. Culleton, blacksmithing	16.35	
Edward O'Brien, blacksmithing	3.50	
J. B. Rufer, blacksmithing	1.00	
Frank W. Leavitt, repairs of wagons	19.00	
David W. Crocker, repairs of wagons	33.00	
Charles L. Underhill, repairs of wagons	151.20	
I. B. Walker, repairs of wagons	13.50	
C. Casseau, painting wagon	30.00	
Ramsay Clark, painting	5.55	
George W. Trefren, Jr., carpentering	113.10	
J. E. Parsons, plumbing	12.50	
R. B. Baker, repairing shaft	3.25	
James Russell Boiler Works Company, repairs of boiler	250.75	
F. C. Ayer, Agt., lumber	29.72	
S. W. Fuller, lumber	66.81	
I. H. Brown & Co., lumber	16.00	
<i>Amounts carried forward</i> . . .	\$27,723.50	\$32,844.58

<i>Amounts brought forward</i> . . .	\$27,723.50	\$32,844.58
Whitney & Snow, hardware . . .	90.00	
W. E. Plumer & Co., hardware . . .	28.83	
Wm. B. Holmes, hardware . . .	5.22	
Howe & Flint, hardware . . .	7.97	
Charles A. Holmes, hardware . . .	12.25	
W. I. Heald, hardware . . .	.67	
Perrin, Seamans & Co., packing, etc.	73.14	
Smith & Anthony Co., fittings . . .	136.40	
Star Brass Mfg. Co., covers . . .	12.90	
Somerville Iron Foundry, castings . . .	34.00	
Jaques Brothers, pattern work . . .	214.05	
Eugene McDonald, painting, etc. . .	148.75	
Henry R. Worthington, valve . . .	47.70	
Peet Valve Co., repairs . . .	3.85	
Coffin Valve Co., repairs of hydrants	18.85	
George H. Sampson, fuse . . .	3.45	
Thomas Allen, heater . . .	4.00	
A. C. Winning, mason work . . .	32.45	
S. M. Winter, setting glass . . .	2.25	
J. Q. Twombly, setting glass . . .	2.25	
Harris Landers, logs . . .	3.75	
Jeremiah Cahalen, logs . . .	8.00	
Warren B. Plympton, polish . . .	2.15	
Rufus W. Clark, polish . . .	2.00	
C. W. H. Morton, ladder . . .	12.00	
I. G. Marston, washers . . .	23.75	
F. E. Fitts Mfg. Co., jute . . .	14.68	
Sewall & Day Cordage Co., manila	9.55	
Henry C. Hunt Co., leather . . .	9.75	
H. H. Harvey, steel . . .	5.50	
Boston Woven Hose & Rubber Co., hose	104.25	
<i>Amounts carried forward</i> . . .	\$28,797.86	\$32,844.58

<i>Amounts brought forward</i> . . .	\$28,797.86	\$32,844.58
Boston Belting Co., hose . . .	20.69	
Boston Lead Manufacturing Co., lead	24.83	
Boston Bolt Co., bolts . . .	6.00	
D. J. Bennett, harness work . .	14.10	
E. Spalding, harness work . .	94.48	
George H. Cowdin, drugs . . .	4.80	
Thomas Hollis, sponges, etc. . .	4.70	
Cochran Chemical Co., acid . .	3.41	
Frost & Adams, fluid . . . .	.20	
Adolph Sommer, viscol . . .	1.00	
Elias Lathrop, ointment . . .	2.00	
William F. Low, oil	64.00	
Samuel Walker & Co., oil . . .	28.86	
Climax Gasolene Co., oil . . .	2.55	
Sprague & Hathaway Co., frame .	4.45	
David Cutter, clock work . . .	7.00	
James Bartley, grass seed . . .	11.46	
E. S. Conant & Co., salt . . .	15.00	
M. L. Vinal, directory	2.00	
Somerville Journal Co., printing .	15.75	
Citizen Publishing Co., printing .	14.25	
Thomas Groom & Co., books . .	70.03	
F. W. Barry, Beale & Co., sta- tionery	26.67	
Walworth Manufacturing Co., tools	74.19	
Joseph Breck & Sons, tools . .	9.30	
Andrew J. Morse & Son, tools . .	4.66	
George W. Barnes, tools . . .	161.15	
Waldo Bros., tools	23.50	
Key Stone Manufacturing Co., tools	10.25	
A. J. Wilkinson, tools	2.25	
S. J. Wood, repairs of tools . .	2.75	
<i>Amounts carried forward</i> . . .	<hr/> \$29,524.14	<hr/> \$32,844.58

<i>Amounts brought forward . . .</i>	\$29,524.14	\$32,844.58
George D. Goodrich, drain pipe . . .	17.26	
Charles E. Farnham, expressing . . .	.30	
Stilphin & Co., expressing . . .	1.25	
J. H. Brooks, dry goods . . .	2.93	
John S. Rice, pails . . .	11.75	
A. P. Simpson, sand . . .	16.10	
Catherine Fitzgerald, sand . . .	25.00	
M. J. Fitzpatrick, sand . . .	3.00	
Thomas Walsh, teaming . . .	161.00	
John F. Elkins, teaming . . .	12.50	
Grant & Co., teaming . . .	61.50	
T. F. Crimmings, teaming . . .	205.00	
F. L. Grant, teaming . . .	57.00	
Owen Cunningham, teaming . . .	233.18	
George F. McKenna, teaming . . .	125.00	
M. P. Canfield, loam . . .	31.00	
Daniel Hoar, care of horse . . .	15.00	
Horatio Wellington & Co., fuel . . .	272.14	
B. F. Wild & Co., fuel . . .	496.65	
Smith & Wiley, fuel . . .	375.00	
S. M. Fuller, fuel . . .	15.00	
J. A. Porter & Co., fuel . . .	6.25	
A. A. Elston, fuel . . .	2.00	
Somerville Electric Light Co., lighting . . .	69.00	
Cambridge Gas Light Co., gas . . .	33.47	
New England Telephone & Tele- graph Co., rentals and tolls . . .	318.55	
H. S. Garcelon, use of telephone . . .	5.65	
City of Boston, water . . .	18.20	
Fresh Pond Ice Co., ice . . .	20.77	
Charles R. Simpson, veterinary services . . .	14.50	
R. M. Johnson, removing soil . . .	4.00	
<i>Amounts carried forward . . .</i>	<hr/> \$32,154.09	<hr/> \$32,844.58

<i>Amounts brought forward</i> . . .	\$32,154.09	\$32,844.58
Hartford Steam Boiler Inspection & Insurance Co., premium of insurance	100.00	
William J. Willard, compensation for damages	129.90	
Nancy Richardson, compensation for damages	25.00	
L. Willard, compensation for damages	7.50	
J. J. Underhill, fuel	1.00	
Osgood & Hart, castings	116.08	
	<hr/>	
	\$32,533.57	
Balance to credit in account 1895	311.01	
	<hr/>	
		<u>\$32,844.58</u>

WATER SERVICES.

CREDIT.

Cash, received of Thomas Cooney, pipe and fittings, etc.	\$ 9.40
F. E. Whitcomb, pipe and fittings, etc.	10.96
Howe & Flint, pipe and fittings, etc.	1.23
John B. Safford, pipe and fittings, etc.	20.32
A. L. Proctor, pipe and fittings, etc.	10.00
Nevermisit Tennis Club, pipe and fittings, etc.	4.20
A. L. Hollander, pipe and fittings, etc.	24.10
W. K. Lewis & Son, pipe and fit- tings, etc.	47.80
L. B. Pillsbury, pipe and fittings, etc.	23.46
	<hr/>
<i>Amount carried forward</i>	\$151.47

<i>Amount brought forward</i>	\$151.47
Thomas Cotter, pipe and fittings, etc.	12.90
Grace S. Rice, pipe and fittings, etc.	19.75
Wm. Franklin Hall, pipe and fit- tings, etc.	7.78
J. O. Hayden, pipe and fittings, etc.	21.48
Albert Follett, pipe and fittings, etc.	15.75
J. F. Sanborn, pipe and fittings, etc.	10.00
Boston & Maine Railroad, pipe and fittings, etc.	20.45
Highways account, pipe and fit- tings, etc.	34.95
Public Grounds account, pipe and fittings, etc.	71.30
Fire Department, Hook and Lad- der Station, pipe, fittings, etc.	26.90
Fire Department, Chemical En- gine and Equipment, pipe, fit- tings, etc.	17.85
Schoolhouse Incidentals account, pipe, fittings, etc.	75.70
Schoolhouse, English High, pipe, fittings, etc.	152.70
Fire Department, Central Fire Station, pipe, fittings, etc.	91.00
Thomas R. Roulstone, pipe, fit- tings, etc.	5.00
Sundry persons, money not called for	2.50
	<hr/>
	\$737.48
Water Service Assessments, cost of services laid	5,541.75
	<hr/>
<i>Amount carried forward</i>	\$6,279.23

Amount brought forward \$6,279.23

DEBIT.

Cash, paid laborers	\$2,688.89
Summer & Goodwin, fittings .	1,209.17
Perrin, Seamans & Co., fittings .	354.43
Braman, Dow & Co., pipe and fittings	27.45
A. J. Morse & Son, fittings . .	4.00
A. A. Sanborn, fittings . . .	1.42
Smith & Anthony Co., fittings .	332.80
Walworth Mfg. Co., fittings . .	240.83
Osgood & Hart, fittings . . .	122.36
Somerville Iron Foundry, fittings	345.28
Boston Lead Mfg. Co., pipe . .	225.67
Smith & Winchester Co., pipe .	24.86
Waldo Bros., cement	60.00
Chapman Valve Manufacturing Co., valves	37.66
Peet Valve Company, valves . .	2.80
G. W. Barnes, tools	5.25
D'Este & Seeley Co., screws . .	40.88
Boston Bolt Co., bolts	10.31
A. J. Wilkinson & Co., blower .	5.00
Boston Belting Co., washers . .	3.82
Globe Gas Light Co., globes . .	1.05
Standard Brass Co., unions . .	130.75
Miller & Shaw, machine work . .	70.49
C. G. H. Bennink, castings . . .	10.29
I. B. Walker, repairs of wagon .	2.50
Nathan Tufts & Sons, grain . . .	86.49
J. A. Durell, plumbing	3.73
H. W. Covell, plumbing	3.15
Somerville Journal Co., printing and stationery	20.00
Citizen Publishing Co., printing .	21.00

Amounts carried forward . . . \$6,092.33 \$6,279.23

<i>Amounts brought forward</i> . . .	\$6,092.33	\$6,279.23
J. O. Hayden, rebate on bill . . .	9.25	
Nathan Simonds, rebate on service assessments	30.00	
	<hr/>	
	\$6,131.58	
Water Maintenance, balance transferred	147.65	
	<hr/>	
		<u>\$6,279.23</u>

WATER SERVICE ASSESSMENTS.

CREDIT.

Cash, received of sundry persons, water services . . .	\$6,978.25
Balance to debit in account 1895	84.40
	<hr/>
	\$7,062.65

DEBIT.

Balance from 1893	\$1,520.90
Water Services, pipes laid in 1895	5,541.75
	<hr/>
	\$7,062.65

WATERING STREETS.

CREDIT.

Appropriations, amount assessed	\$7,000.00
Cash, received of abutters	\$7,951.02
Edward L. Grant, second-hand carts	75.00
	<hr/>
	8,026.02
	<hr/>
	\$15,026.02

DEBIT.

Cash, paid N. C. Barker, overseeing	\$498.00
Charles Booth, watering	469.77
Christopher Burke, watering	388.17
Richard T. Blackwell, watering	372.43
	<hr/>
<i>Amounts carried forward</i>	\$1,728.37
	<hr/>
	\$15,026.02

<i>Amounts brought forward</i>	\$1,728.37	\$15,026.02
Frank Buttimer, watering	388.17	
G. W. Cummings, watering	469.77	
Owen Cunningham, watering	385.02	
John F. Elkins, watering	425.57	
Richard Falvey, watering	381.87	
Martin Gill, watering	408.57	
Henry Gray, watering	408.57	
Henry McAvoy, watering	473.17	
Philip McGovern, watering	394.97	
George F. McKenna, watering	502.59	
A. M. Prescott, watering	502.59	
George W. Prichard, watering	502.59	
Henry J. Turner, watering	502.59	
Benjamin Thomas, watering	369.28	
John Walsh, watering	315.76	
Seward Dodge, repairing carts	112.83	
I. B. Walker, repairing carts	22.65	
L. A. Wright, repairing carts	27.60	
Charles W. Ingalls, repairing carts	4.70	
J. Miller, repairing carts	1.75	
Birch Brothers, repairing carts	1.00	
F. Dooris, repairing carts . . . . .	.50	
Boston Woven Hose & Rubber Co., hose	7.50	
F. C. Ayer, lumber	1.90	
W. E. Plummer & Co., lock . . . . .	.99	
Citizen Publishing Co., advertising	11.75	
Somerville Journal Co., advertising	7.50	
Thomas Groom & Co., book . . . . .	.50	
City of Boston, water	3,521.20	
J. L. & H. K. Potter, watering carts	3,093.75	
	<hr/>	
	\$14,975.57	
Excess and Deficiency, balance to credit of account	50.45	
	<hr/>	
		<u>\$15,026.02</u>

WATER WORKS EXTENSION.

CREDIT.

Balance from 1893		\$ 14.94
City of Boston, Water Rates, amount appropriated .		30,000.00
Cash, received of City of Medford,		
pipe	\$ 50.65	
Town of Winchester, pipe . . .	47.12	
Town of Lexington, pipe . . .	2.76	
North Packing & Provision Co.,		
pipe, fittings, and labor . . .	1,382.93	
New England Dressed Meat &		
Wool Co., bend	16.29	
Philadelphia, Reading & New		
England Railroad, iron pipe		
lost in transportation . . .	348.24	
Sewers Construction account, iron		
pipe	9.40	1,857.39
		<hr/>
		\$31,872.33

DEBIT.

Cash, paid laborers	\$ 5,387.90	
Davis & Farnum Manufacturing		
Co., castings	904.10	
Osgood & Hart, castings . . .	1,160.36	
Somerville Iron Foundry, castings	985.95	
City of Boston, castings . . .	18.25	
R. D. Wood & Co., iron pipe . .	10,976.08	
Warren Foundry & Machine		
Company, iron pipe . . .	3,012.19	
Boston Lead Manufacturing Co.,		
lead	2,142.18	
Holyoke Hydrant & Iron works,		
hydrants	1,671.85	
Pratt & Cady Company, hydrants	1,182.00	
Peet Valve Company, gates . .	1,432.00	
	<hr/>	<hr/>
<i>Amounts carried forward . . .</i>	\$28,872.86	\$31,872.33

<i>Amounts brought forward</i> . . .	\$28,872.86	\$31,872.33
Chapman Valve Manufacturing		
Co., gates	160.10	
Fairbanks Co., valves	19.20	
Walworth Manufacturing Co.,		
boxes	32.85	
James Russell Boiler Works, labor		
on boiler	39.43	
Leach & Grant, bricks	23.81	
Perrin, Seamans & Co., packing .	15.34	
Frank E. Fitts Manufacturing		
Co., jute	12.25	
Thomas Walsh, teaming	24.00	
George F. McKenna, teaming . . .	20.00	
Boston & Maine Railroad, freight	866.37	
Fulton O'Brion, grain	31.88	
G. F. & S. E. Sturtevant, grain .	40.62	
George H. Sampson, powder . . .	11.95	
Highways Account, paving blocks	62.40	
	<hr/>	
	\$30,233.06	
Balance to credit in account 1895	1,639.27	
	<hr/>	
		<u><u>\$31,872.33</u></u>

TABLE D.

BALANCES DECEMBER 31, 1894.

Cash	\$ 37,713.22	
Overlay and Abatement	4,073.85	
Public Property	2,195,271.64	
Real Estate Liens	964.70	
Sewer Assessments	10,353.10	
Sidewalk Assessments	4,989.79	
State of Massachusetts, Burial of Indigent Soldiers and Sailors	157.50	
State of Massachusetts, Indigent Soldiers and Sailors	282.00	
State of Massachusetts, State Aid	7,312.00	
Taxes	226,708.28	
Water Service Assessments	84.40	
Excess and Deficiency	\$ 2,096.56	
Fire Department, Central Fire Station	3,713.57	
Fire Department, Central Fire Station, Electrical Apparatus and Furniture	3,143.68	
Fire Department, Chemical Engine and Equipment	501.47	
Fire Department, Hook and Ladder Station	767.52	
Fire Department, Hook and Ladder Station, Equipment and Furniture	31.00	
Funded Debt	1,344,500.00	
Highways, City Stable	4,148.12	
Overplus on Tax Sales	102.13	
Property and Debt Balance	850,771.64	
Public Library	9.55	
Public Library Improvement	3,000.00	
Reduction of Funded Debt	9,256. 7	
Schoolhouse, Edgerly Addition	613.48	
Schoolhouse, English High	37,296.67	
<i>Amounts carried forward</i>	<u>\$2,487,910.48</u>	<u>\$2,259,958.26</u>

<i>Amounts brought forward</i> .	\$2,487,910.48	\$2,259,958.26
Schoolhouse, High and English High,		
Heating, Ventilating and Plumbing		7,202.72
Schoolhouse, O. S. Knapp Addition .		2,876.54
Schoolhouse, Ward Four, South Side		
F. R. R.		54.51
Sewers, Construction		7,978.07
Sundry Persons		1,890.10
Temporary Loans		206,000.00
Water Maintenance		311.01
Water Works Extension		1,639.27
	<hr/>	<hr/>
	\$2,487,910.48	\$2,487,910.48
	<hr/>	<hr/>

REPORT
OF THE
SCHOOL COMMITTEE.

CITY OF SOMERVILLE.

IN BOARD OF ALDERMEN, January 30, 1895.

Referred to the Committee on Printing, to be printed in the annual reports.
Sent down for concurrence.

GEORGE I. VINCENT, *Clerk*.

IN COMMON COUNCIL, January 30, 1895.

Referred to the Committee on Printing, to be printed in the annual reports,
in concurrence.

CHARLES S. ROBERTSON, *Clerk*.

CITY OF SOMERVILLE.

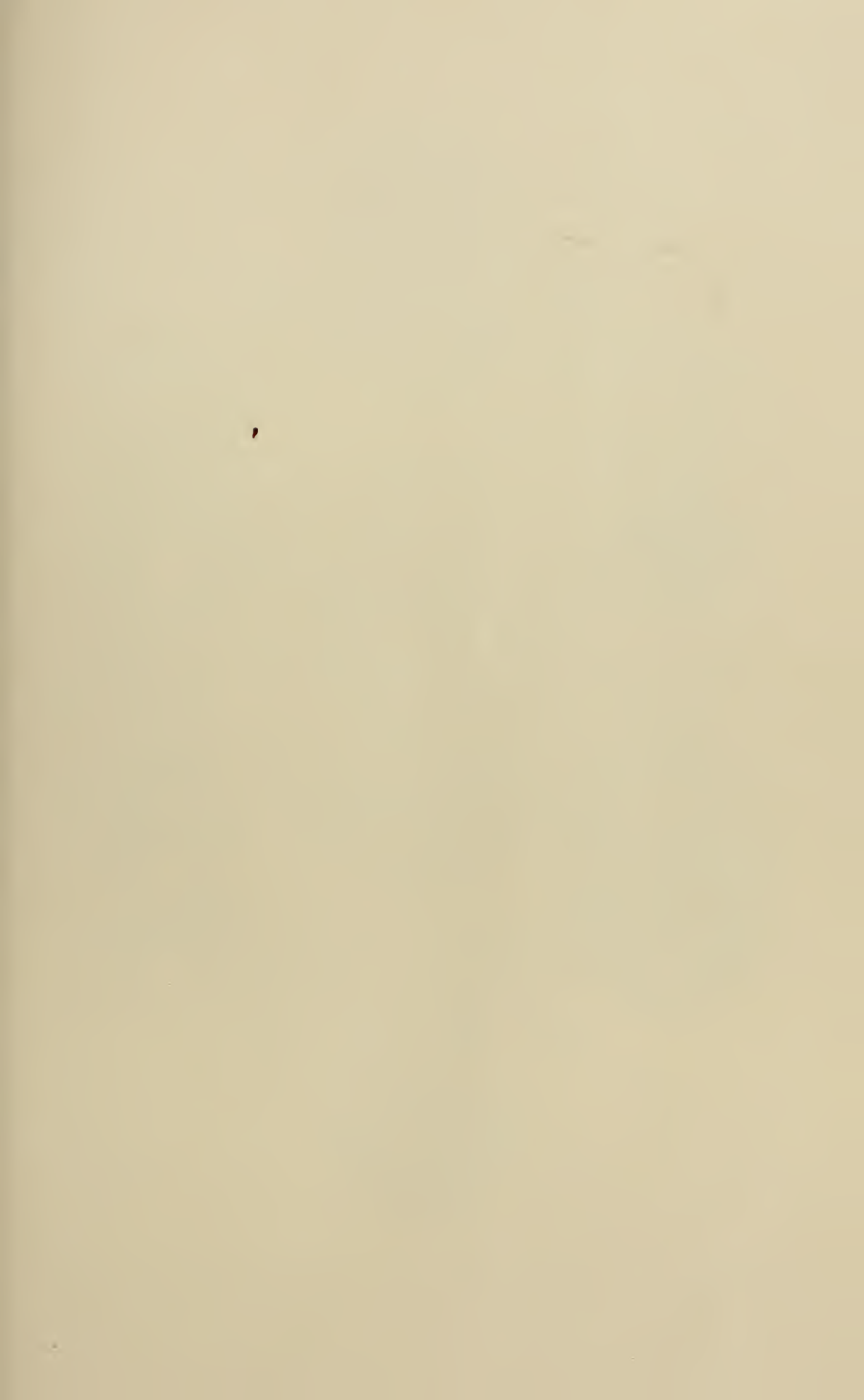
SCHOOL COMMITTEE ROOMS, SOMERVILLE,
December 31, 1894.

To the City Council of Somerville : —

In accordance with the provisions of the Public Statutes, the School Committee respectfully submit the following report prepared by the Superintendent of Schools, which, in their opinion, embodies a correct statement of the condition and needs of the schools of the city.

Respectfully submitted,

GORDON A. SOUTHWORTH, *Secretary.*





CITIZENS FOR WHOM SOMERVILLE SCHOOLS ARE NAMED.

SCHOOL COMMITTEE, 1894.

HON. WILLIAM H. HODGKINS, Mayor, *Chairman, ex officio.*

FRANK W. KAAN, President of the Common Council, *ex officio.*

MEMBERS.

WARD ONE.

		Term expires
S. NEWTON CUTLER,	28 Flint street .	January, 1895
GEORGE S. POOLE,	46 Mt. Vernon street	" 1896
SANFORD HANSCOM,	1 Webster street .	" 1897

WARD TWO.

ALVAH B. DEARBORN,	34 Bow street .	January, 1895
HERBERT A. CHAPIN,	41 Walnut street .	" 1896
THOMAS M. DURELL,	23 Bow street .	" 1897

WARD THREE.

NORMAN W. BINGHAM,	235 School street .	January, 1895
QUINCY E. DICKERMAN,	85 Central street .	" 1896
THOMAS S. WENTWORTH,	350 Broadway .	" 1897

WARD FOUR.

BENJAMIN G. BROWN,	38 Professors' row.	January, 1895
GILES W. BRYANT,	296 Elm street .	" 1896
MARTIN W. CARR,	74 Craigie street .	" 1897

SCHOOL COMMITTEE, 1895.

HON. WILLIAM H. HODGKINS, Mayor, *Chairman, ex officio.*

L. HERBERT HUNTLEY, President of the Common Council,
ex officio.

MEMBERS.

WARD ONE.

		Term expires
GEORGE S. POOLE,	46 Mt. Vernon street,	January, 1896
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HERBERT A. CHAPIN,	41 Walnut street .	January, 1896
THOMAS M. DURELL,	23 Bow street .	" 1897
ALVAH B. DEARBORN,	34 Bow street .	" 1898

WARD THREE.

QUINCY E. DICKERMAN,	85 Central street .	January, 1896
THOMAS S. WENTWORTH,	350 Broadway .	" 1897
FRANK H. HARDISON,	192 Central street .	" 1898

WARD FOUR.

GILES W. BRYANT,	296 Elm street .	January, 1896
MARTIN W. CARR,	74 Craigie street .	" 1897
GEORGE A. MILES,	417 Highland avenue .	" 1898

The Board holds its regular meetings on the last Monday evening of each month, at 8 o'clock.

GORDON A. SOUTHWORTH,

Secretary and Superintendent of Schools.

40 Greenville street. Office, English High School building.

STANDING COMMITTEES, 1895.

ENGLISH HIGH SCHOOL.—Messrs. Carr, Hanscom, Chapin, Dickerman, Poole.

LATIN HIGH SCHOOL.—Messrs. Dearborn, Cutler, Bryant, Hardison, Durell.

EAST SOMERVILLE DISTRICT.—Messrs. Hanscom, Cutler, Poole, Huntley.

PROSPECT HILL DISTRICT.—Messrs. Durell, Dearborn, Chapin.

WINTER HILL DISTRICT.—Messrs. Wentworth, Hardison, Hodgkins, Dickerman.

SPRING HILL DISTRICT.—Messrs. Carr, Bryant, Miles.

WEST SOMERVILLE DISTRICT.—Messrs. Bryant, Miles, Carr.

RULES AND REGULATIONS.—Messrs. Chapin, Dickerman, Cutler.

FINANCE.—Messrs. Poole, Carr, Huntley.

ADDITIONAL SCHOOL ACCOMMODATIONS.—Messrs. Hodgkins, Hanscom, Durell, Wentworth, Bryant.

REPAIRS.—Messrs. Wentworth, Chapin, Poole, Carr, Dearborn.

SUPPLIES.—Messrs. Bryant, Hardison, Durell, Poole.

TEXT-BOOKS.—Messrs. Durell, Dickerman, Hanscom, Bryant, Wentworth, Chapin, Cutler.

INDUSTRIAL EDUCATION.—Messrs. Dickerman, Cutler, Chapin, Dearborn, Carr.

MUSIC.—Messrs. Hanscom, Dearborn, Wentworth, Miles.

EXAMINATION OF TEACHERS.—Messrs. Dickerman, Miles, Hardison.

SALARIES.—Messrs. Cutler, Durell, Bryant, Wentworth.

EVENING SCHOOLS.—Messrs. Bryant, Dearborn, Hanscom, Dickerman.

PRIVATE SCHOOLS.—Messrs. Dearborn, Poole, Miles, Wentworth.

EXAMINATION COMMITTEES.

NINTH CLASS.—Messrs. Poole, Miles.

EIGHTH CLASS.—Messrs. Chapin, Dickerman.

SEVENTH CLASS.—Messrs. Dearborn, Bryant.

SIXTH CLASS.—Messrs. Hardison, Miles.

FIFTH CLASS.—Messrs. Carr, Hanscom.

FOURTH CLASS.—Messrs. Cutler, Wentworth.

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ANNUAL REPORT
OF THE
SUPERINTENDENT OF SCHOOLS
FOR
1894.

TO THE BOARD OF SCHOOL COMMITTEE : —

The twenty-third annual report of the Superintendent of Schools for the year ending Dec. 31, 1894, is respectfully submitted, being the second of the present incumbent of the office and the fifty-second of the school department of the municipality.

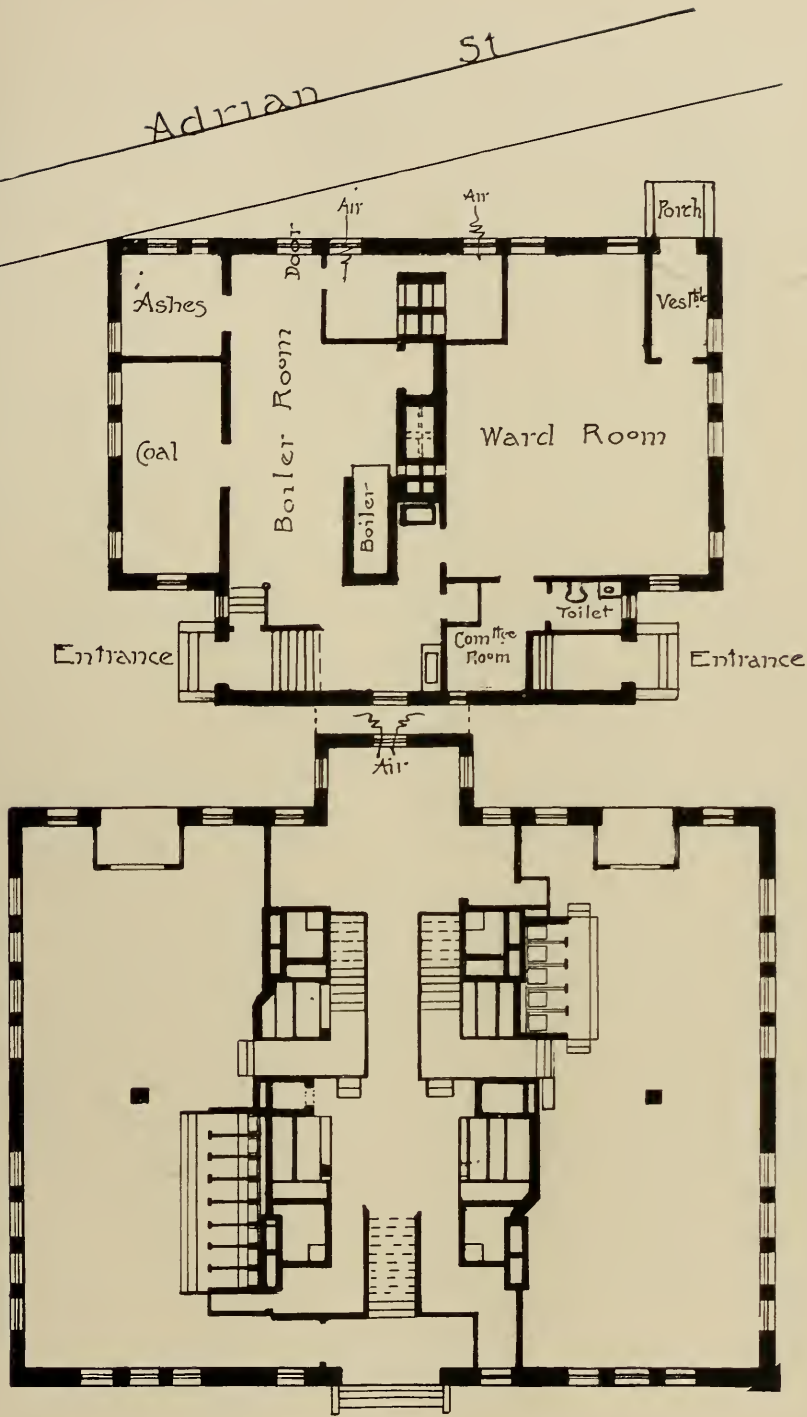
It is an easy matter to sit down at the close of the year and estimate the profits of a manufactory with a seven hundred thousand dollar plant, in which, aided by the best modern appliances, two hundred skilled workmen have been diligently engaged during the twelve months in changing the crude material into the delicate fabric. The value of the output as well as the cost of production is known, and a balance may be easily struck. It is quite another task, however, to calculate the gain or loss when, instead of silk and cotton and steel, mind and heart and life are wrought upon; when, instead of muscle and steam and wheel and lever, the power exerted is that of intellect and character alone, and when instead of a perishable product there is one endless in its duration and limitless in its possibilities.

It is the province of a school report to deal mainly with one side of the educational account, presenting the character and cost of the work, showing the way in which the generous appropriations of the city have been spent, exhibiting the material facts that may be measured and seen, but leaving the question of the actual outcome and profit of it all to be answered by the future.

Attention is called at the outset to the Tables in the Appendix. They have been compiled and arranged with care and contain much valuable information concerning the schools. They cover a series of years, and are of historical value.

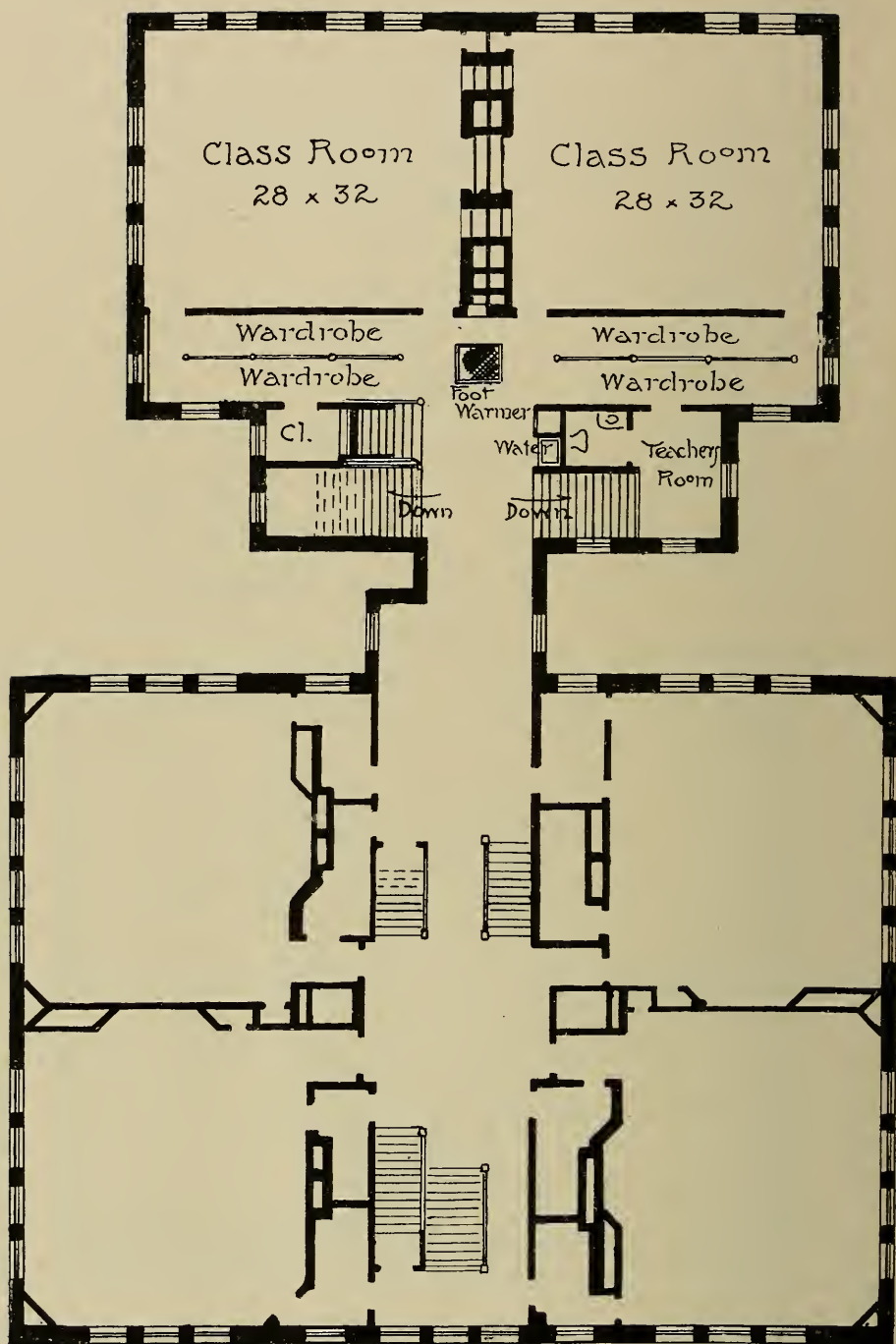
I. SUMMARY OF STATISTICS FOR 1894.

1.	Estimated population of Somerville	51,510
2.	School population, May 1	8,040
3.	Children attending school in December	8,978
4.	Attending private schools " "	1,329
5.	Attending public schools " "	7,649
6.	Attending High School " "	662
7.	Attending grammar and primary schools in December	6,987
8.	Entire enrollment for year	9,387
9.	Average number belonging	7,212
10.	Average number attending	6,840
11.	Per cent of daily attendance	94.84
12.	Number of school buildings	23
13.	Valuation of school property	\$673,200.00
14.	Number of schoolrooms, without High School	155
15.	Number of teachers in December	186
16.	Salaries of teachers for 1894	\$128,769.39
17.	Salaries of officers	\$4,150.00
18.	Cost of books and supplies	\$10,918.81
19.	Cost of water and light	\$957.67
20.	Cost of janitors' services	\$10,686.13
21.	Cost of fuel	\$9,672.73
22.	Total cost of day and evening schools	\$165,154.73
23.	Cost for each pupil in average membership	\$22.90
24.	Cost for each High School pupil	\$31.34
25.	Cost for each grammar and primary pupil	\$22.12
26.	Amount paid for new school buildings	\$82,205.76
27.	Cost of repairs for year (including heating apparatus of High School)	\$44,763.69
28.	Entire sum expended for all school purposes in 1894	\$292,124.18
29.	Expended by School Board	\$144,795.87
30.	Expended by City Government	\$147,328.31
31.	Valuation of city	\$44,192,900.00
32.	Per cent of valuation spent to maintain schools	0.374
33.	Per cent of valuation spent for all school pur- poses	0.661



Basement.

OREN S. KNAPP SCHOOL.



Loring & Phipps,

Architects.

—First Floor—

OREN S. KNAPP SCHOOL.

INCREASE OF 1894.

Notwithstanding a year of widespread business depression, the city has maintained the average rate of growth of the last five years. As shown alike by the school census and the school registration, the gain has been about 450 children of school age, enough to fill ten new schoolrooms. We may expect this rate of increase to continue for several years. Will it not be wise to recognize and provide for it?

During the 23 years since its incorporation the population of the city has trebled. This rapid growth has compelled large expenditures for public improvements, chief among which is that for schools. With the completion of the English High Schoolhouse the city will have expended since 1872 for new school buildings alone, the sum of \$660,000, an average annual outlay of over \$28,000. But our educational interests are vital. The demands of the schools are imperative, and who shall say that the prosperity of the city is not directly traceable to its generosity in this direction?

To have anticipated this growth and provided school accommodations accordingly would have been impossible. Within five years five of our school buildings—the Morse, Highland, Edgerly, Bingham, and Knapp—have been enlarged. To have built them of their present size at the outset would have seemed the height of presumption, and yet the sequel shows that this would have been wise economy, for the architectural difficulties of unanticipated enlargements have entailed an increased expenditure that would more than have paid the interest on the investment required for the larger buildings. Does not this experience teach us that it will conserve the financial as well as the educational interests of the city if our new schoolhouses are made large enough not only for present wants, but also for the inevitable needs of the immediate future? At least, should they not be planned so that additions can be made without either wasteful expense or architectural disfigurement?

Twelve new schoolrooms have been provided during the year, but as four of these were rendered imperative by the destruction of the Webster Schoolhouse, we can claim a net gain of but eight.

The capacity of the Bingham Schoolhouse has been doubled by the addition of four rooms in exact duplication of the original building. The enlargement was begun in October, 1893, and completed in March, 1894, at a cost of \$14,916.87. The cost of the original building in 1887, exclusive of the land, was \$13,224.36.

The new rooms were at once filled, greatly to the relief of the Forster School. Already it is apparent that the perfectly feasible addition of six rooms would have been much wiser. The building will be overcrowded in April, with no means of relief at hand.

A new building at the corner of Beacon and Kent streets was begun in March of the current year and completed in season for the opening of the schools in September. It is a plain but substantial brick structure, thoroughly built, heated by steam, perfectly ventilated, and containing four well-lighted classrooms with adjustable furniture and all needed appliances.

The entire cost to the city has been :

For 13,883 sq. ft. of land	\$ 3,193.09
For the building, furniture, etc.	16,190.10
Total	<u>\$19,383.19</u>

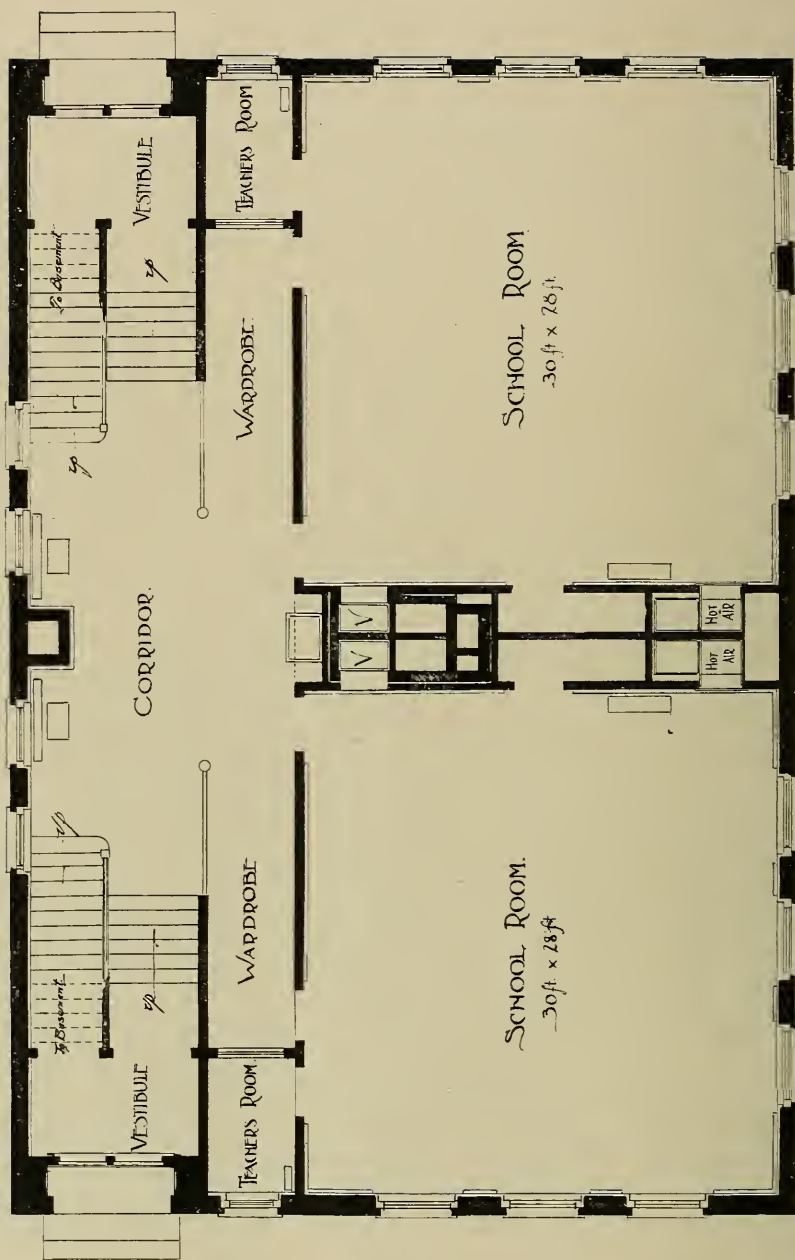
An elevation and plan of the building are herewith presented.

At the request of the School Board, the City Council named the new school the George W. Dureli School, in honor of an esteemed citizen for eleven years a member of the committee, and long identified with the ethical and educational interests of our city, one whose life and character furnish an inspiration and an example for the youth who shall in coming years share the advantages of the school bearing his name.

The enlargement of the Knapp School was begun in June and completed in December, at a cost of about \$15,000. It consists of a building corresponding in its architecture to the original structure, containing four schoolrooms, a ward-room, principal's office, and teachers' room, and connected with the main building by ample corridors. It is heated by steam, ventilated by modern methods, and supplied with adjustable furniture, slate blackboards, and separate entrances. A second floor plan of the whole building is herewith presented.



GEORGE W. DURELL SCHOOL.



FIRST FLOOR PLAN
THE GEORGE W. DURELL SCHOOL

Samuel Dudley Kelley Architect.
209 Washington St. Boston

II. ADDITIONAL SCHOOL ACCOMMODATIONS.

In the school report of last year certain governing principles were presented which should be borne in mind in planning and providing additional school accommodations. They will be recalled if they are only mentioned at this time.

The first has already been considered. We should plan not simply to see how present exigencies may be tided over in the easiest way, but with a view to providing most wisely for the next five years and their inevitable increase of two thousand children.

We should strive, secondly, to secure the gradual reduction of pupils in a room to a teachable limit of forty or forty-five, not merely in what are evidently congested localities, but throughout the city. This will obviate the deplorable necessity of employing two persons to instruct a single class.

Thirdly, it should be our aim steadily to lessen the number of primary pupils in the twelve-room buildings, and to make them distinctively grammar schools. This means the construction of more four-room buildings for primary purposes, where they can be easily reached by little children.

In the fourth place, we should avoid erecting any more eight-room buildings, because they are ill adapted to our wants and system of grading.

Fifthly, we should recognize the fact that the Kindergarten is now an integral part of every complete school system, and we should provide for the early establishment of at least eight in various parts of the city.

And, lastly, we should plan to abandon as soon as possible those relics of an earlier age, the Harvard, Cedar-street, and Beech-street Schoolhouses. If circumstances had forced their use by residents of the hilltops, they would have been indignantly vacated years ago. But do not children of the poor, whose school life is necessarily short,

have an equal if not a stronger claim on us for the best our schools afford? Let tardy justice, then, be done them by the speedy replacement of these ancient landmarks by better buildings.

What additional school accommodations are needed at the present time?

1. The most pressing need is at West Somerville. The increase of school population has been twice as great during the year in this section as in any other. The three schools west of Cedar street are so crowded as to impair their efficiency. Seven new rooms could be occupied in April if they were ready. To relieve the situation, last year the enlargement of the Burns Schoolhouse was recommended. This may ultimately need to be done, but at the present time the demand is for room farther to the west. Another grammar school centre is needed at West Somerville, and should be established as soon as possible in a twelve-room building, located, perhaps, on Holland street, opposite Jay street. A building of this size will anticipate the needs of the next two years, and in the location suggested will well accommodate all children living north of the railroad, and on Elm street and west thereof. The remainder of the district as far east as Cedar street would be tributary to the Highland School.

2. The need of more room at East Somerville was vainly urged last year. Sixty children, the offspring of patient and uncomplaining but expectant parents, were on half-time from April to July. This experience will be repeated in '95, and three extra teachers will be required. I renew the suggestion for a building of four or six rooms on the lot adjoining the Prescott School on Myrtle street. The location is central and would afford relief to the Edgerly and Davis as well as the Prescott. It could be heated by the Prescott apparatus, while the present yard-room and sanitary arrangements would be ample for both buildings.

3. Some additional provision must be made for the primary children in the Morse district, 40 of whom were on half-time last spring. The Beech-street building, even if it could accommodate them, has been rendered still more unfit for school purposes by the erection of a house within ten feet of its easterly side, which shuts out both sunshine

and light. A four-room building on its site would not only relieve the Morse, and respectably house the Beech-street children, but it would take one of the classes from the already overcrowded Durell School. A twelve-room building, either here or on the Franklin lot, would accomplish the same results, and much more that is desirable. Farther consideration may prove this to be the best form of relief.

4. A four-room building is much needed on Hudson street near Lowell street. Primary children in this vicinity now go a long distance to the Forster, or else to the Morse or the Burns. A building here would relieve these schools. Forty-five per cent of the children in the Forster are now in primary grades. Some of them must be removed to make room for grammar classes from the Glines and Bingham. The proposed new building would aid in this direction as well as meet the wants of a rapidly-growing section.

5. It was confidently expected that the opening of the new building on Kent street would enable us to dispense with the Harvard Schoolhouse, but we were disappointed, and it is still in use. This old wooden building has served town and city for 43 years. Originally built on Cherry street, near Elm, to accommodate the L. V. Bell Primary School in 1851, then removed in 1867 to the rear of the Franklin to take its overflow, it finally replaced an equally ancient and valuable structure on its present site in 1871. It has been used altogether too long, and should be abandoned, not only in the interests of the children condemned to occupy it, but also for the credit of our fair city. A schoolhouse, however, is needed in this locality. A four-room building on Washington street, near Calvin, would house the Harvard children and relieve the Knapp School, sure to be overburdened in the spring, and the already crowded Durell. It would be filled in less than two years.

6. Two other four-room buildings will be needed before they are completed. One should be located on Walnut street near the head of Sunnyside avenue, to relieve the Glines and the Edgerly. The other should be on or near the northeast corner of the city farm, to accommodate the overflow of the Bingham and to extinguish the Cedar-street School.

I am aware that these demands may seem rather formidable, but they are presented in the order of their urgency, and in accordance with principles previously enunciated. They cover the immediate future as well as the present ; they look to a lessening of the number of pupils now assigned to a single teacher ; they provide room for the establishment of Kindergartens ; they locate primary schools within easy reach of their occupants, and tend towards filling the large buildings with exclusively grammar grades ; and they close buildings belonging to the silurian age of education.

III. ATTENDANCE.

The work of the schools has progressed through the year without interruptions or distractions. The theoretical school-year of 400 half days has been shortened one tenth by omissions of the regular sessions. Of the 39 half days lost, twenty-two are chargeable to holidays, nine to stormy weather, two to a teachers' convention, one to the High School exhibition, and five to the custom of closing in the middle instead of at the end of the last week of the school year.

It is gratifying to observe that in regularity of attendance the record of the year is the highest in the history of Somerville, the rate being 94.8 per cent of the average membership. As compared with last year, tardiness has decreased 11 per cent, dismissals 12 per cent, and truancy 45 per cent. This somewhat remarkable result is attributable to the vigilance and influence of teachers, the ambition of children, and the co-operation of parents. Another notable fact which shows the undoubted growth of moral power among the teachers, is the decrease of nearly 50 per cent in cases where it has been found necessary to administer corporal punishment. More than one half of all the occasions requiring the use of force arise in the fourth, fifth, and sixth grades. Are children in these classes more difficult to control or less amenable to moral influences than others, or is the disproportion traceable to elements of weakness in the teaching force?

The custom of removing children from school during the month of June is to be deprecated. In this way classes are sometimes well-nigh broken up during the last few days or weeks of the school year. Some of the most important of all the work should be done at this season. Equally erroneous is the supposition that no loss results from

a few days' absence in September. The schools are all equipped with needed supplies at the time of opening, and may get under way with their regular programme at once, and every child should be present to share in the advantage. The delay in the organizing of some schools will this year be obviated by making all promotions and arranging new classes in June instead of September. This will enable even special teachers to begin operations on the first day of the term. Tables 9 to 15 will show facts of attendance in detail.

IV. TRANSFER OF PUPILS.

Two things render necessary the frequent transfer of children from one school to another: first, a lack of room in one building and a supply in another; secondly, the demands of classification and the equalization of work among teachers. Hence it is not possible to establish unchangeable lines between the schools of a district, nor is it essential. Our school buildings are so near together that the element of distance cannot affect the question. The instruction and facilities for learning are equally good in all the schools. The course of study, rate of progress, and basis of promotion are the same. Nevertheless, objections on the part of both children and parents are often encountered. They are generally based on sentiment, or on prejudice for one school or teacher, or against another, or possibly on fear of a descent in the social scale. In this matter, as in all others pertaining to our schools, the greatest good of the greatest number must control. It must be assumed as a matter of course, that any child may be called upon to attend school this year in one building and next year in another. These transfers, however, are not to be made arbitrarily or with unjust discrimination, but in accordance with the following rule: The pupils transferred shall be those living nearest the school to which the transfer is to be made, the shortest sidewalk distance being considered.

Nor should the lines between districts be inflexible or impassable. There is no reason why some one who knows the whole situation should not have authority to transfer children across district lines whenever individual or school interests can be thereby promoted. For example: At any time in the school year 1893-94, the Pope School could have relieved the Davis of children enough to save the

services and salary (\$425) of an assistant. And at the Cummings there has been no time during the past year when 25 children from the Forster or the Morse could not have been accommodated in the second and third grades. The same may be true at any time of the Edgerly and Glines, or of other districts. If we could re-locate our school buildings, transfers might be needless, but under existing arrangements they should be both authorized and expected.

V. ADMISSION OF CHILDREN.

Under the present rules children are admitted to the first grade in September and April. In 1894 there were admitted in

September, 626, of the average age of 5 years, 7.3 months.

April, 372, " " " " " 5 " 7.3 "

Practically no children are admitted during the rest of the year. It will be noticed that there is no difference in the average age of the two classes.

The admission of 400 children in April greatly disturbs the organization of the lower grades and impairs their efficiency. At the present time the average membership of the 25 first grades is 53. If more are admitted they must be crowded into rooms already filled, extra seats provided, some children improperly forced into higher grades, and many of them put on half-time. Additional teachers must be provided. Little children need the constant attention of a teacher during the first two or three months of their school life. Our schools present no more arduous task than that of the teacher of a first grade with 50 or more children, the majority of whom are in school for the first time. Certainly if assistants are ever needed it is in such schools. No April children are promoted to the next grade in June. They have accomplished but little. The teachers very properly feel obliged to spend their time and energies on the majority who must be made ready for promotion.

In view of all these disadvantages it becomes a serious question whether it is expedient to admit any children in April. If it were understood that this would not be done, instead of being held back, most of them would be entered in September, thus permitting an organization of the classes that would remain unchanged during the

year, and result in a practical gain of time for the child. If this should not be decided upon, the period of admission should be shortened to cover the first week of the month.

Table 15 will show the number admitted from each school in April and September, and the number on half-time.

VI. TEACHERS.

There are now 189 teachers in the employ of the city, three of whom are assistants in training without pay. During the year 19 teachers have resigned, one of whom had taught successfully in our schools 25 years, another 17 years, a third 10 years, while the average term of service of the remaining 16 covered a period of less than three years. Of the 19, seven were attracted by more lucrative positions elsewhere, four resigned on account of ill health, three to take advanced courses of study, and five retired to engage in other pursuits.

In 1894, 26 new teachers were elected, of whom six are collegiates, nine graduates of normal schools, and five of training schools. Great pains have been taken in their selection and it is believed that they will prove valuable additions to our teaching force.

How to secure and retain the best teachers is the perpetual and perplexing problem upon whose solution depends the success of all our efforts in education. The teacher is the heart and soul of the school. Upon her depend its life and power. In exact proportion as the teacher lacks high moral character, the power of personal influence, refined taste and manners, good scholarship, and thorough professional training, the school fails to accomplish its purpose. Given these qualities and the highest success is certain, irrespective of material surroundings. We can get along with poor or crowded buildings, with meagre or ill-adapted appliances, with enriched or impoverished courses of study, but good teachers are indispensable.

It is perhaps too much to expect that every one of a large corps of teachers should fulfil the ideal requirements. Some have the future, others only the present in mind; some teach children, others nothing but subjects; some control the motives of conduct, others simply enforce orders; some develop all the faculties symmetrically, others train one, if any; some are full of love and sympathy and helpfulness for the slow, the weak, the unfortunate, others are self-centred;

some teach pedagogically, others keep school; some grow, others fossilize; some are original, enthusiastic, inspiring, others follow mechanically a dull routine; some love their work and put heart and conscience and soul into it, others are satisfied with the maximum salary.

As for our own teachers, the great majority, if not all, are faithful, conscientious, and devoted to the highest interests of those they teach. They do their best within their limitations. They deserve, as they receive, the generous sympathy, co-operation, and esteem of their constituencies and the support and gratitude of the city whose bulwarks they guard, and whose future is almost entirely within their control.

Tables 22 to 28 in the Appendix show the number of teachers, resignations, elections, transfers, etc., for the year.

VII. SUBSTITUTES.

During the year there have been 281 occasions for the employment of substitutes, who have served a total of 1,455 half-days, and have received the sum of \$2,374.96.

There is no more fruitful source of interruption to school work than the unexpected absence of regular teachers, more or less of which is unavoidable under the most favorable circumstances. How to render these absences least disastrous to the progress of the schools is an important question. The position of a substitute is extremely embarrassing. Suddenly called to take charge of 50 children, not one of whom she knows, entirely ignorant of the work and attainments of the class, without opportunity to make any preparation whatever for the day's instruction, not strong to discipline or ready in emergencies, is it strange that an ordinary substitute accomplishes little more than to keep the children out of the street, and that the class rapidly retrogrades? It would certainly be economy from an educational point of view, and involve but slight increase of expenditure, if any, to employ two or three thoroughly competent teachers to act as substitutes whenever and wherever their services may be needed. They should be perfectly familiar with the work of all the grades and conversant with all the schools and their methods. When not employed in substituting they could render valuable service in large classes or along special lines of instruction. The salary paid should

be sufficient to attract and retain extraordinary teachers possessing the peculiar qualifications required for such work. We cannot afford to employ apprentices where master-workmen are needed.

VIII. THE HIGH SCHOOL.

With the close of the current school year, the institution that has been so long and favorably known as the "Somerville High School" will change its character and will be thenceforward known as the "Somerville Latin School." A glance, therefore, at its honorable history will not be uninteresting.

The school was organized May 3, 1852. It has therefore been in existence nearly 43 years. For the first 15 years it occupied the upper story of what is now the City Hall. For the next five years the entire building was devoted to its use. Since 1872 it has occupied the present building.

The average membership of the school for the first 15 years was 76, that being the exact number with which it started in 1852. In 1867, however, Mr. Baxter, the present Principal, took charge of the school with a membership of 119. Since then the number of members has steadily increased, practically doubling every 10 years, and reaching the maximum of 691 in the fall of 1894.

The first class was graduated in 1862, and contained six members. The thirty-third class was graduated in June, 1894. It contained 111 members.

Since its organization 4,322 persons have been members of the school, 1,255, or nearly 30 per cent, of whom have received diplomas of graduation.

Ten years ago the school had outgrown its present quarters. Since then it has been obliged to adapt itself to accommodations that have become more and more inadequate each year. The division of the school into sections and the adoption of the plan of two sessions have prevented the situation from becoming intolerable. This has entailed upon Principal and teachers increased labor and responsibility, which have been met without complaint. The lack of recitation rooms has compelled an average assignment of over 45 pupils to a teacher.

But notwithstanding all these embarrassments the school has

grown steadily in numbers, in popularity, and in efficiency. Too much credit cannot be given to the Principal and his assistants for their patience, fidelity, and success in the face of all the untoward circumstances of the last few years. Not only they, but the members of the school and our citizens generally, are to be congratulated on the prospect of relief so near at hand in the completion of the English High School building.

Table 21 shows not only the membership of the school and the number of graduates since 1867, but also the steady gain in its membership as compared with the whole number of pupils in the city, and the increase in the number of graduates as compared with the membership of the school.

Table 29 gives the names of teachers since the organization, with length of service.

IX. ENGLISH HIGH SCHOOL.

Ground was broken for the English High School building, December 5, 1893. The work has progressed with slight interruptions during the year, and will doubtless be completed in ample season for the opening of the school in September, 1895.

The work of organizing the new school and reorganizing the old, defining the distinctive and mutual relations between them, establishing the various courses of study, selecting teachers and equipping the schools with the best appliances — text-books, reference libraries, laboratory furnishings, etc. — is the most important task before the School Board of 1895.

The two High School buildings supply accommodations for a thousand pupils and should be adequate for our uses for at least ten years. The schools organized on the proper basis, should furnish whatever education below the college or scientific school any resident of Somerville may desire or justly claim from the city. It is not the province of public schools to educate or train specialists in any line, — music, elocution, art, science, professional or commercial life. They have done all that can be rightly demanded of them when they have furnished facilities for a general education that shall reasonably fit its possessor for life and its duties in the home, in society, in the State.

The legitimate work of the schools *includes* training for higher institutions of learning, — colleges and scientific schools, — but this

should be subordinated to more important and more comprehensive ends and aims. The character of a public school system should be controlled by the interests of the ninety-nine whose educational life ends within it, rather than by the needs of the one whose education is completed beyond it. Too largely have the character and work of the high school been dominated by the demands of the college. Too largely even now is the college seeking to determine the scope and nature, not only of secondary but of elementary education as well.

While opening its doors to all, and offering courses of study, general as well as specific, the ordinary high school, conscious that the criterion of judgment will be the number of admissions to college and the future standing of its students therein, regulates its work to a great extent by college requirements, and gives to candidates for higher education the best and most of what it has to offer. Henceforth, in Somerville at least, this is not to be the case. The Latin School is to be distinctively the preparatory or fitting school for all higher institutions of learning. Herein colleges and scientific schools will dictate the courses.

The English High School, however, will be free from this domination. It will meet the broadest needs of those whose education ends in the public schools. It will recognize the claims of those who are to be artisans or traders as equal to the claims of those who are to enter the professions. It will doubtless teach Latin, as furnishing underlying elements for the study of English, and to give students who change their plans with reference to college after a year or two, an opportunity to enter the Latin School without loss of time. It will teach the modern languages, of course, but its chief work will be, as its name indicates, instruction in English,— in literature with its wealth of knowledge and beauty, in the use of the mother tongue with its richness and power for the expression of thought, in history with its revelations of the growth and progress of civilization, in science with its marvellous disclosures of the secrets of nature, in mathematics with its stern training of the reason, in commercial and business affairs with their relations to life, in government and political economy with their lessons of the duties of citizenship, in art and in music with their refining influences, in whatever knowledge those may desire whose educational life ends within its walls. The teaching will be such as to strengthen and quicken the faculties, to cultivate individualism and

self-dependence, to awaken a craving for more and better, and all its influences such as to make the future of the graduates intelligent, unselfish, useful, happy.

A single course of study should emphasize and require a few things that are fundamental, but it should offer a wide range of elective studies to meet the varying tastes and necessities of all sorts of students. Diplomas should be awarded for the amount and quality of work done rather than for the completion of courses along prescribed lines, thus permitting the widest freedom of choice. All possible inducements should be offered for the completion of a four years' course, but no one should be debarred from taking any portion of it because restricting circumstances forbid more. What is done, however, should be thoroughly done, for clear and definite ideas within narrow limits are better than confusion and indefiniteness in a larger field. The sciences should have a prominent place, for facilities for laboratory methods will be unsurpassed. Drawing, music, elocution, physical training, long excluded, or inadequately provided for by the necessities of the situation, may now receive their due share of attention.

Hundreds of young women are to graduate from the English High School with their education nominally completed. Whatever they may do immediately after graduation, each will eventually reach woman's normal position, and become the head of a household. What practical knowledge and ability for the successful conduct of its affairs will her education have given her? What will she know of household management, of the art of cooking, of the chemistry of foods, of hygiene, of sanitary science, of what to do in emergencies, of home nursing and care of the sick, of household art and economy? Will not a course in domestic science, which shall give some practical knowledge along these lines, be a valuable feature of the new High School, doing for the girls what manual training does for the boys? Its aim and its methods should be educative throughout, the developing of character, of mental ability, of moral stamina, by the training furnished. Such a course involves the fitting of a room in the new building adapted to these purposes. The expense would be inconsiderable compared with the results. It would be available for the instruction in cooking to the girls of the eighth and ninth grades of the grammar schools. The attention of the Board is especially called to this matter.

Attempts to be more specific with regard to the organization of the new school would be premature at this time. These suggestions of the possibilities of the school and its general scope are given to show the largeness and importance of the question before the Board.

X. MANUAL TRAINING.

In its modern educational use the expression *manual training* implies instruction in any form of work with the hands that has for its primary object the improvement of the intellectual powers of the worker. Only incidentally does it lead to the acquisition of skill that may help in the pursuits of industrial life.

Its earliest application to school life is found in the Kindergarten, the occupations of which are arranged for the systematic development of the child's powers through the exercise of his natural activities. The "gifts" of the Kindergarten are designed to develop the child's ability to observe and classify the forms and appearances of objects, and aid his efforts to obtain knowledge of them. The "occupations" enable him to express his ideas of things, and to apply his knowledge to the accomplishment of some specific end. The advantages of this system of training for children between the ages of three and a half and five years are too well known to need presentation here. In all places where sound and progressive educational principles control, Kindergartens have become firmly established.

They have been a feature of our school system for several years, although not recognized by the School Board as an integral part of it until the present year, when authority was granted to district committees to establish them with the approval of the Board. At the present time we have but one Kindergarten in operation, and that is in the Prospect Hill School. Its sessions are held from 9 to 12. It is well attended, and its value is generally recognized. The extension of this fundamental feature of our school system is delayed only by lack of room for the purpose.

Some forms of manual training, such as drawing, paper cutting and folding, and clay modelling are taught in our primary grades. In the grammar grades all that is done in this line beyond the excellent work in drawing, is sewing by the girls of the fourth, fifth, sixth, and seventh grades, and special work in mechanical drawing by the boys of

these grades. The value of instruction in the use of the knife and other tools in woodwork for boys of grammar grades is everywhere acknowledged. As soon as suitable accommodations can be furnished, it will undoubtedly be given to all boys of our eighth and ninth grades.

The term *manual training*, as used in connection with high school boys, has reference to work with tools upon wood,— simple forms of carpentry, carving, turning, pattern-making, and cabinet work,— and also to work upon metals,— moulding, casting, forging, filing, turning, and other machine work. This work is always accompanied by drawing, working plans in all cases being first required. Manual training schools are in no sense trade schools. They are not designed to make boys carpenters or machinists. They give a knowledge, both theoretical and practical, of the chief fundamental operations of all mechanical trades. The primary object and principal value are not economic but intellectual, not to give skill to the hand, but power to the faculties of the mind. Experience everywhere has proved their value in this direction. It also shows that time taken for manual training results in no loss of progress or attainment, but rather in distinct advantage along the line of purely scholastic work.

With this form of manual training nothing has thus far been done in Somerville. Not that we have been unwilling to admit its value, but so great have been the demands upon us for school accommodations and for expenditures in other directions, that we have been obliged to forego it. We have, however, no longer any option in the matter, for, convinced of its advantages as an element of education, the Legislature of 1894 passed the following enactment:—

After the first day of September in the year eighteen hundred and ninety-five, every city of twenty thousand or more inhabitants shall maintain as part of its High School system the teaching of manual training. The course to be pursued in said instruction shall be subject to the approval of the State Board of Education.

This compels us to incorporate manual training as a part of our High School work.

When the English Schoolhouse was planned, several rooms were set apart in the basement for this purpose. A complete outfit would require four rooms, one for carpentry, one for wood-turning and pattern-making, a forging room, and a room for metal working. Only the first two of these are adapted to our building. To equip a car-

penter shop with benches, tools, and lockers will cost \$1,500. The second room, equipped with motor, lathes, benches, tools, and lockers will require an outlay of about \$2,000. The annual salary of a competent instructor will be at least \$1,000. These rooms would enable us to give all high school boys two lessons per week, and one lesson to boys in the ninth grade of the grammar schools.

XI. HYGIENIC CONDITIONS.

Whatever affects the health or physical development of school children is a matter of public concern, and it is incumbent upon those charged with the conduct of educational affairs to see that everything possible is done to promote health and vigor of body and mind. To this end the following things are essential : —

Every school child should be supplied with 1,800 cubic feet per hour of pure air of comfortable and equable temperature.

He should have a chair and desk duly proportioned to his size, where he can sit without the distortion or discomfort of any portion of his body.

He should be seated within at least 20 feet of a window, through which comes a plentiful supply of light from his left or from behind.

The tedium and confinement of his school hours should be broken up by periods of relaxation, change, and muscular exercise, graduated in length and frequency according to his age.

Reasonable opportunity should be given him to attend to his natural wants.

As far as possible he should be protected from exposure in any way to contagious diseases.

The work assigned him both in school and at home should be so wisely apportioned that undue application or nervous strain may be avoided on the one hand, and the influence of idle, listless, lazy habits on the other.

To what extent are these hygienic conditions secured to Somerville children?

AS TO FRESH AIR.

Four fifths of them breathe comparatively pure air. The rest breathe in part the noxious exhalations of one another's lungs, air charged with all sorts of impurities. The six stove-heated buildings

and the Bell Schoolhouse have no means of ventilation but the windows. The Prescott has a half-completed system of fresh-air supply.

The High School, after twenty-two years of waiting, has been supplied with a complete and perfectly satisfactory system of heating and ventilation, an adequate supply of fresh air being constantly forced into every part of the building by mechanical means, while an equable temperature is automatically maintained throughout the twenty-four hours.

AS TO LIGHT.

Many of our schoolrooms are insufficiently lighted. The window area of a schoolroom with ordinary exposure should be at least one sixth of the floor area. In the Beech-street building, for example, it is only one tenth, and in most of the older buildings it is far below the standard. In many rooms the strain on children's eyes on cloudy days is so severe, that considerate teachers dispense with eye-work. In this connection it may be remarked that blackboard writing and figures are often too fine and small to be easily read. Pupils are expected to read them, whether large or small, at too acute an angle. The common habit of writing or ciphering with the neck twisted so that one eye is several inches nearer the work than the other is a fruitful source of optical weakness. Only teachers can correct these faults.

AS TO SEATS.

In many schoolrooms the chairs and desks are either too large or too small for their occupants. This is owing to differences in the size of children in the same class, to the use of the same room by different grades in successive years, or to the necessity of using the furniture on hand when changes or additions are required.

The extreme difference in the height of grammar school children in the same class, will average about 13 inches, and of primary children about 10 inches. Of course, where single-sized seats are provided, as is generally the case, some children are forced to sit day after day in constrained and unnatural positions at the expense of both comfort and symmetrical development. Besides, the trouble is often aggravated by chair and desk being wrongly adjusted to each other.

These serious evils are being lessened by the adoption of furniture

made on hygienic principles and easily adjusted to varying heights. The old iron standards now in use should be replaced by the adjustable pattern, a change that would involve little expense and result in great gain. So long, however, as we are obliged to use the old-fashioned furniture it should be readjusted whenever necessary to adapt it to hygienic requirements.

AS TO EXERCISE.

The recess midway of the session, as a period of out-door exercise and play, has been superseded by a brief "basement recess" for primary grades, and ten minutes of gymnastic exercises for the others. The change results in a slight gain in time, a marked advantage in discipline, and no apparent loss of energy, or health, or interest.

It must not be supposed that twenty minutes daily spent in gymnastic exercises, however scientific or valuable in character, can counteract or neutralize the evil effects of five hours of sitting in cramped and unhealthful positions in a vitiated and enervating atmosphere. It would be wiser to strike at the root of the trouble. Nevertheless, aside from their educative value, the gymnastic exercises serve for change and relaxation, and in the majority of cases have great value in promoting physical vigor.

AS TO CONTAGION.

The law regulating vaccination is strictly enforced. Parental objection is rarely met. Two or three cases have occurred, when in accordance with a recent amendment of the law, the certificate of a regular practising physician declaring the child an unfit subject for vaccination has been presented. Children from households in which any contagious disease exists, are rigidly excluded from school until all danger is passed. An exception is made by our rules in favor of children affected by whooping-cough. Would not the exclusion of such children, during certain stages of the disease, at least, be a gain to the greatest number? It certainly would relieve the schools from an annoyance that at times occasions serious interruption.

The question has been raised whether the use of text-books and school material by all sorts of children in common, may not be a means of spreading contagion. If danger exists, no effort is spared to reduce

it to a minimum. Books exposed to infection are burned. With the exception of books supplied in numbers sufficient for only a section of the class, every child uses the same books exclusively. All books are covered as often as need be, the expense being justifiable on the score of cleanliness and increased durability as well as for sanitary reasons. Paper is superseding the use of slates, being preferable in most grades for utility as well as cleanliness.

Our schoolrooms are not cleaned as they ought to be. Floors, woodwork, desks, and chairs should be washed thoroughly every two months instead of every year. Whitewash, paint, and varnish should be freely used, and every possible precaution taken to secure cleanliness, and freedom from whatever may endanger health.

AS TO OVERWORK.

Are children overworked in our schools? No. On the contrary, they are underworked both in school and out of it. Too much is done for them, too little by them. Closer application, greater self-activity and self-dependence, more sturdy wrestling with difficulties, and less coddling and vicarious effort on the part of the teacher are needed to produce strong, self-reliant students with power to think and to do.

XII. EVENING SCHOOLS.

The city is required by law to maintain "evening schools for the instruction of persons over 12 years of age in orthography, reading, writing, geography, arithmetic, drawing, the history of the United States, and good behavior." In compliance with this law, for several years three common evening schools have been opened in different parts of the city in the month of October, and continued for four evenings a week, closing about Christmas, after from 40 to 50 sessions. These schools generally open with good numbers, and a commendable degree of interest. Very soon, however, the interest diminishes, and one by one the attendants drop out until when the schools close but few remain. For the last five years the average attendance has been only two fifths of the enrollment. For 1894 it has been even less, the enrollment being 391, and the average attendance 86, or 22 per cent. The industrious few who attend regularly, make satisfactory, and in

some cases, remarkable progress. The many, who either come very irregularly or else leave the school early in the season, profit little.

These schools are expensive. When we consider that they are in session but a hundred hours during the year, we find that the meagre acquirements of the evening school pupil cost the city annually about three times as much as it pays for the education of a pupil in the High School, and four times as much as it expends upon a child in the day schools of lower grade. So long as we are compelled to maintain these schools, in view of their cost ought they not to be made to yield a larger dividend?

There are many young men and women in our city whose educational advantages have been limited. Scores of boys and girls leave our schools every year just as soon as they reach the compulsory school-age limit of 14. These young people all need what evening schools are designed to give. Cannot these schools be so modified in their methods and organization, as to attract a larger and more regular attendance with even a smaller outlay of money?

May not the three schools be profitably united into one, held in the English High School building with a better classification, and fewer teachers?

May we not secure greater regularity of attendance by requiring a deposit of a dollar or two from every pupil who registers, to be returned at the close of the term, provided attendance has been reasonably satisfactory, a plan that has been found to work well in other cities?

Will not the adoption of a regular course of study, and the award of a certificate upon its satisfactory completion, be an advantage?

Shall we not gain by increasing the length of the term at least to the extent of holding five sessions each week instead of four? If this should be done the extra session might be devoted "to lectures delivered by competent persons on the natural sciences, history, and kindred subjects," in accordance with an enactment of the Legislature of 1894, "authorizing cities and towns to provide for evening lectures."

Our city has reached a population of 50,000, and hence under the law is obliged "to establish and maintain an evening High School, provided fifty persons competent and willing to attend petition for it." Should such school be demanded, it would naturally be kept in the

English High School building, and thus all the evening school work of the city could be concentrated under one management, with a decrease of expenditure and an increase of efficiency.

For several years, in addition to other evening schools, a school of industrial drawing has been maintained, which has been regularly attended by about 75 young men, who have pursued their work with system, enthusiasm, and profit. In October of this year, in answer to an urgent demand, a large class in free-hand drawing was formed, the interest in which has been well sustained.

Table 18 in Appendix.

XIII. COURSE OF STUDY.

The work of teachers and pupils during the year has closely followed the lines and the time apportionment established in the course of study. The course is full and cannot be accomplished in its details in the time allotted. The aim has been to emphasize the essentials. Opinions as to what "essentials" are, differ widely. Each one judges from his own particular point of view. In establishing a criterion the fact must constantly be borne in mind that by far the largest proportion of our school children never enter the High School. Whatever the schools do to make the masses intelligent, useful, and loyal citizens must be done before they reach the age of fifteen. What will best accomplish this object is the vexed question.

The purpose of education is two-fold : The acquisition of knowledge, and the acquisition of power. These cannot be separated. Power comes of necessity through wise methods of imparting knowledge. "Not what is taught but how it is taught," and "Not what is learned but who teaches it," have become educational aphorisms. Besides giving knowledge and power the schools should develop character, not incidentally, but objectively. Character, indeed, *is* power, endless for good or evil. The influence of a teacher and his methods are, therefore, as much more important than the subjects taught as the child is more valuable than the facts that he knows. But the expression "practical knowledge" is not meaningless. To fit him for the activities of life a child must be taught to read our language understandingly. He must be able to speak and to write it clearly and correctly. He must have a knowledge of number sufficient for the

ordinary uses of business life. He should have a general knowledge of the land and world in which he lives. He should know something of the history and the government of the country which he is to love and serve ; and he must have some acquaintance with the laws by which his life and health may be preserved.

There is substantial agreement everywhere that these subjects—language, number, geography, history, and hygiene—are essential in common schools. They are, however, practically unlimited in their range, and hence, to what extent they should be taught has been a subject of discussion.

To these generally acknowledged essentials we long since added music, for its refining and elevating influence ; drawing, as a form of expression and manual training, and a means of developing the artistic sense ; book-keeping, to furnish a little knowledge of accounts ; sewing, for its practical utility and training ; gymnastics, for their hygienic influence and their value in bringing every muscle of the body under immediate control of the will ; and more recently, the study of nature and its laws as revealed in countless forms about us, sending the child to the original source of knowledge to observe and investigate for himself, and to

“ Find tongues in trees, books in the running brooks,
Sermons in stones, and good in everything.”

As soon as possible we shall establish Kindergartens, and provide some form of wood-work for boys.

Shall we be satisfied to stop here, or shall we heed the suggestions of those who speak to us from near the top of the hill of science, and add, to an already overloaded curriculum, the studies of Latin, and algebra, and geometry, and possibly a modern language or two? Shall we consider the quality or the quantity, the thoroughness or the variety of our teaching? The transfer of college-bound pupils from the eighth grade of the grammar schools to the Latin High School will leave us free to provide for the wants of the great majority who remain, untrammelled by the demands of the higher institutions of learning.

Other cities and towns are experimenting with courses of study. No one yet knows what is best. Shall we not do well to await the result of the process of evolution? What we need is not additional

(14½)

subjects of instruction, but more thorough and scientific methods of teaching what we already have. It may be wise even to eliminate rather than to add. If we can secure the best teachers, reduce the number of pupils assigned to each, provide suitable accommodations and appliances, and give the teacher time and freedom to work with individuals instead of classes, we shall have accomplished much toward increasing the efficiency of our schools.

One test of successful teaching is the love of knowledge and the desire for more which it creates in the mind of the learner. To awaken interest, to excite thought, to create a love for study, to make learning attractive, to produce dissatisfaction with present attainments — these are among the aims of the true teacher. Those whose school life is shortened by untoward circumstances need the inspiration of these influences even more than the fortunate few whose opportunities are unlimited.

It is very important that a love for good reading should be cultivated and strengthened among the boys and girls of the upper grades of the grammar school. It is no easy thing to do this in these days of cheap and enervating, not to say pernicious, literature. More good books are needed in the upper grades, not scrappy selections, but volumes of the best literature — of biography, of history, of poetry, of travel, of the best fiction. These should be read under the direction of teachers, not only aloud, but silently. To do this, time should be taken from less important subjects. What better service can we render our graduates than to send them out into a world of books with a discriminating taste for good reading, and open to all the inspiring and refining influences that come from the best in the field of literature?

Much may be done in this direction by a wise use of the public library, but its supply of books is too limited in number to satisfy the demands. A thousand dollars spent annually in carrying out these suggestions would yield a larger return than any other equal amount spent by the School Board.

XIV. SCHOOL SUPPLIES.

The attempt has been made to exercise due economy in the use of supplies. Superfluous books have been collected from some school buildings and distributed to others in need. Careful accounts have

been kept with each school, and by the Principal with each teacher. The last Friday of each month has been designated as "book-inspection day," at which time all school property in the hands of pupils is examined, losses and injuries detected, and repairs and settlements made. It has been the policy to keep each book substantially covered. The covers are renewed when worn or badly soiled. The expense has been considerable, but the advantage seems to justify the outlay.

To some extent in the upper grades, paper has been substituted for slates. This substitution will be extended during the coming year, in the interest of cleanliness and health as well as of habits of neatness and care.

There has been an unusual outlay of \$1,228 for music books, occasioned by the purchase of a new book for the upper grades, and by the need of preventing the annoyance resulting from the use of the same set of books by different classes. Many books now in use are badly worn, and will need to be replaced during the coming year.

In Tables 2 and 3 in the Appendix the cost of supplies furnished to each school during the year is shown, as well as the cost per capita. In making comparisons it must be noted that some schools were better supplied with materials at the beginning of the year than others. The unusual cost in the Bingham and the Durell Schools is caused by the opening of new rooms.

XV. WORK OF SPECIAL TEACHERS.

No reports from special teachers have been requested. It is, however, but just to them to say that they have conducted their special departments during the year with enthusiasm and success.

Drawing, under the direction of its efficient Supervisor, has made steady progress. Increased skill and relish for the work, as well as a growing taste for the beautiful are apparent in all the grades. The time spent upon drawing in the primary grades has been slightly reduced and given to music and language.

As heretofore, two systems of teaching music have been in use during the year, the Normal method in the five lower grades, and the National system in the other grades, including the High School. Under the guidance of the enthusiastic Director, the lower grades have made remarkable progress. Theory and practice have kept step with each other, and a permanent foundation has been laid for ad-

vanced work. The difficulties of transition from one system to another in the sixth grade have this year been hardly noticeable.

Of the work in music in the upper grammar grades and in the High School, it need only be said that it has been under the direction of the veteran teacher of music, so intimately connected with the musical taste and culture of the present generation of Somerville citizens. The crowded condition of the High School has interfered somewhat with the best results, but the completion of the new building will give an impetus to the work in this direction, and will require a readjustment of the time of the instructors.

Sewing continues to be taught to the girls of the fourth to the seventh grades inclusive, in the same methodical and scientific way, by the two teachers who have given character and distinction to the Somerville system of teaching sewing. No work done in our schools is more practical or furnishes better training. It should be supplemented by instruction in cooking, given to the girls of the eighth and ninth grades.

In accordance with the recommendation made in the last annual report, the efficient services of a special instructor in the Ling system of gymnastics were secured at the beginning of the school year in September. New interest and enthusiasm have been awakened, and the exercises have taken on fresh life and vigor. If the same services can be continued for the remainder of the school year, the work will be established on a permanent basis, and can thenceforth be conducted by the regular teachers.

XVI. GRADING.

In the last annual report the subject of grading was discussed at considerable length. Closer observation of the conditions and needs of the schools furnishes no reasons for a change of view, but rather confirms it, and leads to a renewal of the recommendations made a year ago. The establishment of a five years' course in the Latin High School for college-bound pupils leaving the eighth grade, will change the situation a little, and lessen the necessity for hurrying children out of the grammar schools.

The object we seek to accomplish is fourfold.

First, to keep the children whose education is to be limited, in the grammar schools as long as possible, and to do the most for them while they are there.

Second, to give to bright pupils work in quality and quantity commensurate with their ability, and at the same time to facilitate their progress through the grammar schools in order that they may gain time for advanced courses.

Third, to give those pupils who think slowly or mature late, an opportunity to do their best without discouragement or undue expenditure of time.

Fourth, to give to mediocre pupils, who make the large majority of every class, time and opportunity to do thoroughly, without haste on the one hand or repression on the other, as much work of the most advantageous kind as our courses offer.

These purposes can be accomplished without impracticable semi-annual class promotions from room to room, by the plan outlined in detail last year, the arguments in favor of which were then given.

A distinguished educator in a recent discussion of this general subject, gives views that appear so sound as to warrant quoting him at some length. He says —

“What shall be done with the boy who learns or seems to learn more rapidly than his mates? Is not the answer to be found in the proper conduct of the recitation, that is, in correct, broad teaching?”

“Broad teaching has in view as its chief purpose the development of the individual and, when it gives thought to anything else, teaches subjects rather than lessons, sections, or paragraphs. It has little consideration for classes as wholes, but sees them as composed of so many persons, each of whom has a certain capacity for doing the work in hand. A subject taught may be one thing to one child but a very different thing to another, yet it may be well taught to each. A child while getting his first percepts may be profitably employed much of the time in testing them by example, finding other like things, and by authority, if he can read, getting the testimony of others who have found and examined the same things. Knowledge, even on the perceptive side, that is not confirmed by much testimony of example and authority will not be firmly possessed. The teaching that does not give opportunity for getting this kind of assurance and for developing a self-confidence that proceeds from evidence secured by self-activity is not the best. Of this kind of work the talented child will do much, whereas a dull or lazy pupil will get nothing more with which to assure himself than the work done in class by or under the eye of the teacher. Then there will be as many grades between these as there are pupils.

“The application of a subject may be narrow to one pupil because

of his lack of ability to see and his lack of power to investigate, though he may work long and faithfully, but very broad and far reaching to another pupil who has power to see and the ability and disposition to investigate for himself. The teaching that presents subjects to the capacities of every child is the only teaching by which the graded school can do justice to all who attend it, and secure the approbation of all who send to it. Not rapid promotion by which the child is rushed into one new thing after another, but correct teaching, by which the child is given opportunity to broaden his knowledge of the subject learned, to note its manifold applications in life, and to acquaint himself with the labor and writings of those who have investigated, mastered, and applied it, is the remedy for the graded school evil. Not more machine that will grind the pupil finer and shoot him through more rapidly, but less machine that will allow him more opportunity to develop individuality, will offer to him better chances to work for himself and to be wholly himself when at work, is the remedy to be sought. The graded school must not be made a machine by which the same horizon is fixed for all. A boy, broad minded (for his age), practical, knowing how to teach himself, and knowing how to learn and what to do with what he learns, may be graduated from the grammar school at 15 years of age, but a boy of that age and having like qualifications and corresponding acquirements cannot be graduated from the High School. The requirements of the two modes of teaching the course of study involve two kinds of student life that are wholly unlike; they are as different as self-activity and confiding passivity.

“Children under 14 years of age, however talented apparently, with few exceptions, are not competent to study profitably the work given in the first year of our high schools. Some of them may do the work passably, as class work is too frequently rated, but they can get very little good out of it, very little that will tell for manly independent doing in life.

“The minimum age at which the High School should be reached should be prescribed; the minimum age at which the college should be reached should be prescribed, and the attempt to reach either of these goals at an earlier age should be proscribed. This should be done in the interest of the future man, and in the interest of broader knowledge.

“Graduation from school, or membership in a higher class thereof, ought to be evidence of culture and strength. That too frequently it is neither need not be asserted. It is unwise from more than one point of view to push the pupils rapidly through a graded course of instruction, and no child should be allowed to think that to be promoted or graduated is even a remote purpose of going to school.

“In teaching, the attempt should be made to reach each individual in the class, and to give such instruction and such direction for home

or seat work as will induce him to employ his whole self, to put forth his best efforts for its accomplishment, and at the same time point out the most profitable way of doing it. The recitation should be such that the child is not only permitted, but is expected to present that which he has done. The talented boy will give much, the mediocre less, the more unfortunate boy little, yet each will give the result of his best effort. To conduct the recitation by this plan the teacher must employ the time allotted to the teaching part of it largely for the development of principles, and such easy applications as require little or no time for their interpretation or solution. In the recitation, which is but a small part of the time devoted to school life by the pupil of whatever capacity, the children can work together profitably. In the hours of preparation, hunting for different kinds of testimony, and making applications, the pupils work apart, as one man in business or in a profession, distances another; each has full opportunity for the exercise of all his powers, each knows what to do and is interested in accomplishing as much as possible.

“The teaching required by the conditions that characterize the profitable recitation can be done only by the well-informed teacher. Acquired skill in the management of classes or in the presentation or development of subjects will count for little in the absence of broad, accurate knowledge. Poor teaching results more frequently from a too limited knowledge of what is to be taught than from a lack of skill in presenting or developing subjects.

“The teacher must not only know the subject he would teach, but that he may properly direct pupils in their home work, he must know no less definitely many sources of knowledge respecting the same which he can cite with great exactness. He must know the respective values of such sources of information, the difficulties which each offers to the searcher for information, that he may correctly judge of the value of results presented to him. It is not enough to know the subject to be taught; where it can be learned and how it can be learned are important in directing pupils, and how the subject is applied when learned is not one bit less important. Equipped with this knowledge the teacher is able so to conduct a recitation that each pupil will learn according to his ability and his self-control, and so to direct the seat or home work that each will find abundant opportunity to employ his whole time and energy in the preparation of work for the succeeding exercise.

“If there is plenty of collateral work arranged and prescribed for pupils, they who are well up in grade may be left for a greater part of the time each day to take care of themselves while the time and attention of the teacher may be given to individuals needing special direction or other special helps.

“Not only must good teachers be provided if the work here spoken of is to be done, but appliances must be furnished by which it can be

done, and opportunity given or allowed for doing it. Books must be furnished on the right subjects, properly graded, and in numbers large enough to supply classes. Bookcases, reference tables, and experimenting rooms must be provided. The work requires specimens for study, apparatus and materials for making experiments. Time must be allowed for visiting museums, and for getting into the fields to examine objects that cannot be brought into the schoolroom.

"The schools must not be too large. Forty or forty-five pupils is the maximum number that a teacher can instruct and guide, except by use of the machine. The more pupils he has the more machine he must employ; the more machine he employs the less culture, individual strength, and knowledge will he give to the community for its outlay of money and the time of the children.

"By the correct kind of teaching and directing, pupils learn what books are for, how to discriminate between the good and the bad in books, and how to use them advantageously. The effect of the adjustment of work to the capacities of pupils, and furnishing appliances for their profitable employment is to give them a liking for study, the result of which is that they remain longer in school and that the number that seek further advantages in higher institutions of learning increases year by year. These effects are great enough in our schools to be noticeable, and the increase is large enough to be measurable."

XVII. IN CONCLUSION.

A year ago, after a limited opportunity for observation, this remark was made in my report: "It appears that our schools as a whole are accomplishing the results for which they are established and sustained, in as satisfactory a way as their crowded condition allows." This statement can justly be repeated to-day, after a much more extended opportunity for judging. Not that our schools are beyond criticism or improvement under existing conditions. Far from it. No one is better aware of this than Superintendent and teachers themselves, and in this fact lies the hope of the future. Ideal standards are before us, and it is our ambition to reach them. There is steady gain along many lines. There is a growing appreciation of the value of a child, a quicker sympathy with his needs, a better knowledge of the mind and the laws of its growth, more success in influencing life by controlling motives, a truer judgment of the relative value of studies, greater effort to reach the individual and meet his wants, more regard for the correlation of subjects taught, an improvement in methods of teaching, a desire to widen the horizon of knowledge both for teacher and

pupils, a conviction that less importance attaches to knowledge itself than to the way it is obtained, a stronger determination to put soul into teaching, to inspire noble aims, to implant sound principles, and to incite to honorable achievement.

Chief among the results of the year's study of our schools is this firm conviction, that the secret of success is with the teachers. They alone touch the children. The city may provide costly buildings and furnish the best appliances. The School Board may vote large salaries and devise excellent courses of study. Supervisors may wisely counsel and direct and lead. But the teacher alone is the life-giving force that reaches the child and controls his future. Hence the teachers selected should be what the children should become.

The citizens of Somerville have a right to expect much from their schools. They have devised liberal things for them. They may be assured that the schools are steadily improving in their instruction, their discipline, their influence. They invite examination and criticism and suggestion. They ask continued co-operation and support. In return they will do their part towards making intelligent, virtuous, loyal citizens, ready to serve their city, and maintain the high character and position it holds among the municipalities of the Commonwealth.

The Superintendent wishes to assure the members of the School Board of his grateful appreciation of their confidence and support, and to thank principals and teachers for their hearty and sympathetic co-operation.

Respectfully submitted,

G. A. SOUTHWORTH,

Superintendent.

SOMERVILLE, Dec. 31, 1894.



CITIZENS FOR WHOM SOMERVILLE SCHOOLS ARE NAMED.

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TABLE 1.—SCHOOLHOUSES.

	NAME.	No. of years used.	Rooms not occupied.	Size of Lot.	Valuation.	When built.	No. of years used.	Enlargements.
1	High School,	..	..	....	\$50,000	1871	23	
2	Prescott,	12	..	21,444	47,000	1867	27	
3	Edgerly,	12	..	26,428	47,000	1871	23	{ 4 rooms added 1882. 4 " " 1892.
4	L. V. Bell,	12	..	23,396	47,000	1874	20	
5	C. G. Pope,	12	..	27,236	62,000	1891	3	
6	O. S. Knapp,	12	..	24,517	47,000	1889	5	
7	Forster,	12	..	27,499	47,000	1866	28	
8	Morse,	12	..	29,109	47,000	1869	25	6 rooms added 1890.
9	Highland,	12	..	23,260	47,000	1880	14	4 rooms added 1891.
10	J. T. Glines,	8	..	28,800	46,400	1891	3	
11	Bingham,	8	..	21,017	30,000	1886	8	4 rooms added 1894.
12	Prospect Hill,	6	4	25,313	21,000	1848	46	4 rooms added 1865.
13	Davis,	4	..	38,152	25,700	1884	10	
14	Bennett,	4	1	20,560	10,600	1868	26	
15	Jackson,	4	1	11,212	8,600	1861	33	
16	Cummings,	4	..	11,300	15,700	1884	10	
17	Franklin,	4	..	33,017	15,600	1846	48	2 rooms added 1862.
18	G. W. Durell,	4	..	13,883	19,000	1894	..	
19	Burns,	4	..	16,080	15,700	1886	8	
20	Lincoln,	4	..	17,662	14,700	1885	9	
21	Beech Street,	2	..	6,000	4,800	1872	22	
22	Cedar Street,	1	..	.....	800	1843	51	{ Moved from Broad- way 1868.
23	Harvard,	1	..	9,810	3,600	1851	43	{ Moved from Cherry street 1867, from Kent street 1871
	Total,	155	6	.....	\$673,200	....	..

TABLE 2.—COST OF MAINTAINING SCHOOLS, 1894.

SCHOOL.	Instruction and Supervision.	Janitors, Water, Heat, Light.	School Supply Expenses.	Total.
High . . .	\$15,740 35	\$1,645 60	\$1,792 48	\$19,178 43
Bell . . .	10,272 20	1,296 99	768 37	12,337 56
Edgerly . . .	10,095 42	2,219 90	875 08	13,190 40
Forster . . .	9,406 66	1,329 65	730 40	11,466 71
Highland . . .	10,064 70	1,610 08	728 03	12,402 81
Morse . . .	10,103 55	1,545 18	823 83	12,472 56
Pope . . .	9,770 46	1,712 95	594 90	12,078 31
Prescott . . .	10,445 75	1,432 18	767 05	12,644 98
Knapp . . .	7,687 00	1,287 37	607 09	9,581 46
Bingham . . .	5,016 94	902 44	760 87	6,680 25
Glines . . .	5,740 68	1,068 65	459 10	7,268 43
Prospect Hill . . .	4,109 33	606 13	170 91	4,886 37
Burns . . .	3,064 06	586 62	120 67	3,771 35
Cummings . . .	2,340 86	506 05	84 63	2,931 54
Davis . . .	2,820 31	529 86	103 84	3,454 01
Durell . . .	1,092 61	205 00	275 09	1,572 70
Franklin . . .	2,819 39	489 83	249 88	3,559 10
Lincoln . . .	3,455 04	691 03	262 96	4,409 03
Bennett . . .	1,929 29	311 95	43 59	2,284 83
Jackson . . .	1,892 04	353 91	59 87	2,305 82
Beech Street . . .	1,349 03	178 70	64 19	1,591 92
Cedar Street . . .	1,173 71	188 19	51 21	1,413 11
Harvard . . .	624 51	100 28	12 54	737 33
Evening Schools . . .	1,905 50	236 00	260 15	2,401 65
English High . . .		222 00		222 00
Spring Hill . . .		60 00		60 00
Total . . .	\$132,919 39	\$21,316 54	\$10,666 73	\$164,902 66

TABLE 3.—COST PER CAPITA OF MAINTAINING SCHOOLS, 1894.

SCHOOL.	Instruction and Supervision.	Janitors, Water, Heat, and Light.	School Supply Expenses.	Total.
High	\$25 72	\$2 69	\$2 93	\$31 34
Bell	18 05	2 28	1 35	21 68
Edgerly	17 84	3 92	1 55	23 31
Forster	17 23	2 44	1 34	21 01
Highland	17 66	2 82	1 27	21 75
Morse	17 82	2 73	1 45	22 00
Pope	19 46	3 41	1 19	24 06
Prescott	18 65	2 56	1 37	22 58
Knapp	20 50	3 43	1 62	25 55
Bingham	15 83	2 85	2 40	21 08
Glines	15 99	2 98	1 28	20 25
Prospect Hill	17 87	2 64	74	21 25
Burns	15 02	2 88	59	18 49
Cummings	13 77	2 98	50	17 25
Davis	13 89	2 61	51	17 01
Durell	13 49	2 51	1 35	17 35
Franklin	16 88	2 93	1 50	21 31
Lincoln	16 69	3 34	1 27	21 30
Bennett	15 69	2 54	36	18 59
Jackson	17 85	3 34	57	21 76
Beech Street	16 25	2 15	77	19 17
Cedar Street	22 57	3 62	99	27 18
Harvard	13 88	2 23	28	16 39
Average	\$18 43	\$2 96	\$1 51	\$22 90

TABLE 4. — ANNUAL COST OF MAINTAINING THE SCHOOLS
FOR A SERIES OF YEARS.

Amounts are given to the nearest dollar and include what has been paid for maintaining day and evening schools of all grades.

YEAR.	Average Membership.	Instruction and Supervision.	Water and Light.	Heating.	Janitors.	School Contingent Expenses.	Total.
1885	4,904	\$ 79,506	\$ 728	\$ 4,965	\$ 4,000	\$ 8,449	\$ 97,648
1886	4,985	83,542	624	4,929	4,194	6,676	99,865
1887	5,198	86,713	765	6,475	5,084	7,526	106,563
1888	5,488	88,967	953	7,121	5,892	7,421	110,354
1889	5,956	96,466	805	6,081	6,448	9,903	119,703
1890	6,486	104,184	1,004	5,586	7,539	10,371	128,684
1891	6,502	114,066	1,047	8,032	8,544	13,899	145,588
1892	7,035	124,232	1,064	7,148	9,795	12,944	155,183
1893	7,217	128,720	1,014	8,312	10,160	10,137	158,333
1894	7,212	132,919	958	9,673	10,686	10,919	165,155

TABLE 5. — ANNUAL COST PER CAPITA OF MAINTAINING SCHOOLS
FOR A SERIES OF YEARS.

[Based on the average membership.]

YEAR.	Instruction and Supervision.	Janitors, Water, Heat, and Light.	School Supply Expenses.	Total.	Assessors' valuation of City.	Ratio of cost of school maintenance to valuation.
1885	\$ 16 21	\$ 1 98	\$ 1 72	\$ 19 91	\$ 24,878,400	.00392
1886	16 76	1 94	1 34	20 03	26,003,200	.00384
1887	16 68	2 37	1 45	20 50	27,469,300	.00388
1888	16 21	2 54	1 36	20 11	28,756,400	.00384
1889	16 20	2 24	1 66	20 10	30,004,600	.00399
1890	16 06	2 18	1 60	19 84	32,557,500	.00395
1891	17 54	2 71	2 14	22 39	36,843,400	.00395
1892	17 66	2 56	1 84	22 06	38,093,100	.00407
1893	17 84	2 70	1 40	21 94	41,773,600	.00379
1894	18 43	2 96	1 51	22 90	44,142,900	.00374

TABLE 6. — AMOUNT SPENT ANNUALLY FOR NEW SCHOOLHOUSES,
AND FOR REPAIRS

FOR A SERIES OF YEARS.

YEAR.	For New Schoolhouses.	For Repairs.	For Maintaining Schools.	Amount spent for all school purposes.
1885	\$ 19,185	\$ 7,052	\$ 97,648	\$ 113,885
1886	15,515	8,706	99,865	114,086
1887	14,839	13,636	106,563	135,038
1888	4,996	13,994	110,354	129,344
1889	20,167	14,225	119,703	154,095
1890	75,775	19,168	128,684	223,627
1891	84,902	14,847	145,588	245,337
1892	12,679	17,734	155,183	176,001
1893	22,809	12,440	158,333	193,582
1894	82,206	44,764*	165,155	292,125

* Including heating apparatus in both High School buildings.

TABLE 7. — POPULATION OF SOMERVILLE.

1842	.	.	.	.	.	1,013	1875	.	.	.	.	.	21,594
1850	.	.	.	.	.	3,540	1880	.	.	.	.	.	24,985
1860	.	.	.	.	.	8,025	1885	.	.	.	.	.	29,992
1865	.	.	.	.	.	9,366	1890	.	.	.	.	.	40,117
1870	.	.	.	.	.	14,693	1894	(Estimated)			.	.	51,510

TABLE 8.—SCHOOL CENSUS, 1894.

Number of children in the city between 5 and 15 years of age, as reported by the truant officer, on the first of May.

1885	5,608	1890	6,469
1886	5,296	1891	6,800
1887	5,722	1892	7,191
1888	5,959	1893	7,601
1889	6,135	1894	8,040

BY DISTRICTS FOR 1894.

DISTRICT.	1893.	1894.	Increase.	Increase Per Cent.
East Somerville	1,405	1,459	54	3.84
Prospect Hill	2,823	2,977	154	5.45
Winter Hill	1,218	1,276	58	4.76
Spring Hill	1,126	1,200	74	6.57
West Somerville	1,029	1,128	99	9.62
Total	7,601	8,040	439	5.78
Between 8 and 14	4,723	4,993	270	5.72

TABLE 9. — ATTENDANCE OF THE PUBLIC SCHOOLS, 1894.

Rooms occupied in December.	SCHOOLS.	Annual Enrollment.	Average Membership.	Average Attendance.	Per cent of Attendance.	No. cases of Tardiness.	No. cases of Dismissal.	No. cases of Punishment.	No. attending in January.	No. attending in December.	Average No. to Teacher in December.	No. over 15 years of age.	No. between 8 and 14 years of age.
14	High	641	612	584	95.4	333	232	25	603	662	44.1	558	15
12	Bell	692	569	550	96.7	169	232	25	589	558	46.5	50	428
12	Edgerly	725	566	544	96.1	83	181	26	598	555	46.2	44	403
12	Forster	743	546	518	94.9	178	392	11	613	532	44.3	60	399
12	Highland	740	570	537	94.3	199	414	11	600	616	51.3	69	380
12	Knapp	536	375	356	94.9	175	172	9	375	371	46.3	37	239
12	Morse	729	567	536	94.5	203	175	34	614	566	47.2	62	435
12	Pope	648	502	479	95.4	195	92	34	493	546	45.5	26	397
12	Prescott	735	560	540	95.4	91	73	17	596	594	49.5	49	415
12	Bingham	348	317	300	94.7	188	214	8	214	366	45.7	0	175
12	Glines	489	359	340	94.7	87	102	12	397	386	48.2	30	241
12	Burns	275	204	189	92.9	157	112	6	198	209	52.2	0	140
12	Cummings	245	170	160	94.1	161	84	9	178	176	44.	0	83
12	Davis	276	203	189	93.3	27	39	9	215	217	54.2	0	105
12	Darell	59	81	77	94.2	46	13	0	215	219	54.7	0	23
12	Franklin	219	167	159	95.1	60	48	26	182	165	41.2	0	177
12	Lincoln	280	207	195	94.1	66	98	5	202	218	54.5	3	162
12	Bennett	187	123	111	90.5	72	21	32	135	133	44.3	0	69
12	Jackson	197	106	98	91.9	130	9	10	122	114	38.	0	46
12	Beech Street	130	83	76	92.0	102	14	0	91	78	39.	0	22
12	Cedar Street	69	52	49	94.8	53	14	9	56	60	30.	0	38
12	Prospect Hill	253	230	213	92.6	118	48	18	247	268	45.	12	241
1	Harvard	88	45	41	92.0	107	12	3	67	40	40.	0	13
163	Total	9,387	7,212	6,840	94.8	3,000	2,509	314	7,385	7,649	46.9	950	4,218
	1893	9,632	7,217	6,790	94.1	3,375	2,852	587	7,480	7,434	47.7	872	4,950

TABLE 10. — STATISTICS OF THE HIGH SCHOOL, 1894.

Whole number of different pupils during the year	896
Largest number at one time	691
Number admitted during the year	293
“ from our Grammar Schools	253
“ from other schools	40
“ graduated	111
“ of graduates who entered college	30
“ of graduates who entered Scientific Schools	3
“ of graduates who entered Medical School	2
“ who have left during the year exclusive of graduates	123
Whole number at the present time, December, 1894	662
Average number to a teacher	44.1
Number over 15 years of age	572
“ in course preparatory to college	230
“ pursuing the regular course	176
“ pursuing the English course	209
“ pursuing the Scientific course	27
“ in the first class when it entered the school	218
“ in the first class at the present time	94
“ in the second class when it entered the school	238
“ in the second class at the present time	130
“ in the third class when it entered the school	251
“ in the third class at the present time	177
“ in the fourth class when it entered the school	285
“ in the fourth class at the present time	261

TABLE 11. — PUPILS IN HIGH AND GRAMMAR SCHOOLS.

Number of persons in the city on the first day of May, 1894, between 5 and 15 years of age, 8,040.

Number between 8 and 14 years of age, 4,993.

	High School.	Grammar and Primary Schools.	Total.
Annual enrollment	641	8,746	9,387
Average membership	612	6,600	7,212
Average attendance	584	6,256	6,840
Per cent of attendance	95.4	94.8	94.8
Number cases of tardiness	333	2,667	3,000
Number cases of dismissal		2,509	2,509
Number cases of punishment		314	314
Membership, January, 1894	603	6,782	7,385
Membership, December, 1894	662	6,987	7,649
Average number to a teacher	47.3	46.8	46.9
Number over 15 years of age	558	392	950
Number between 8 and 14 years of age	15	4,213	4,218

TABLE 12. — NUMBER OF SCHOOLS AND PUPILS, BY DISTRICTS.

December 15, 1894.

DISTRICTS.	No. of Schools.	Number of Teachers.			Number of Pupils.	Number in Ninth Grade.	Average Number to a Room.
		<i>a</i>	<i>b</i>	<i>c</i>			
East Somerville	28	2	28	2	1,366	81	48.8
Prospect Hill	48	3	48		2,166	106	45.1
Winter Hill	28	1	28	1	1,284	68	45.9
Spring Hill	29	1	29	2	1,337	65	46.1
West Somerville	16	1	16	3	834	87	52.1
Totals		8	149	8	6,987	407	46.9

a. Principals of ninth-grade grammar schools.

b. Regular teachers.

c. Salaried assistants.

TABLE 13.—PUPILS BY GRADES, DECEMBER, 1894.

SCHOOLS.	GRADES.	TEACHERS.			PUPILS.			Average Age.		No. single promo- tions in June, 1894.	No. double promo- tions in 1894.
		Men.	Women.		Boys.	Girls.	Total.	Years.	Months.		
			Regular.	Assistants							
High . .	First Class . .	3	12		35	59	94	18	6		
" . .	Second " . .				35	95	130	17	4		
" . .	Third " . .				74	103	177	16	4		
" . .	Fourth " . .				106	155	261	15	7		
	Total . . .	3	12		250	412	662				
Grammar	Ninth . . .	7	11		189	209	398	14	10	349	8
"	Eighth . . .		10		237	221	458	14	0	427	7
"	Seventh . . .	1	14		270	320	590	13	4	395	35
"	Sixth . . .		14		313	355	668	12	5	466	18
"	Fifth . . .		17		406	418	824	11	5	549	12
"	Fourth . . .		17	1	417	417	834	10	2	652	23
	Total Grammar	8	83	1	1,832	1,940	3,772			2,838	103
Primary .	Third . . .		19	1	432	415	847	9	0	745	13
" . .	Second . . .		21	2	516	468	984	7	10	675	14
" . .	First . . .		26	6	705	636	1,341	6	4	765	26
	Kindergarten .		1		20	23	43				
	Total Primary		66	9	1,673	1,542	3,215			2,185	53
	Total Grammar and Primary	8	149	10	3,505	3,482	6,987			5,023	156
	Grand Total .	11	161	10	3,755	3,894	7,649				

TABLE 14.—NUMBER OF PUPILS AND PER CENT OF WHOLE
NUMBER OF PUPILS IN EACH GRADE IN DECEMBER, 1894.

GRADE.		PUPILS.	PER CENT.
Primary.	1	1,384	18.1
	2	984	12.9
	3	847	11.1
Grammar.	4	834	10.9
	5	824	10.8
	6	668	8.8
	7	590	7.7
	8	458	6.0
	9	398	5.2
High.	10	261	3.4
	11	177	2.2
	12	130	1.7
	13	94	1.2

Total, 7,649

TABLE 15.—ADMISSIONS TO FIRST GRADE IN APRIL AND SEPTEMBER, 1894.

SCHOOL.	April.	Sept.	On Half Time.	SCHOOL.	April.	Sept.	On Half Time.
Bell . .	23	15		Burns . .	35	35	38
Edgerly . .	31	45		Cummings . .	6	43	
Forster . .	34	39		Davis . .	21	17	
Highland . .	18	50		Durell . .	0	28	
Knapp . .	28	50	47	Franklin . .	15	0	
Morse . .	23	24	41	Lincoln . .	21	22	
Pope . .	8	49		Bennett . .	20	23	
Prescott . .	16	41	60	Jackson . .	6	25	
Bingham . .	29	38		Beech Street	7	21	
Glines . .	15	39		Cedar Street	5	6	
Prospect Hill	6	0		Harvard . .	5	16	
				Total . .	372	626	186

TABLE 16. — TRUANT STATISTICS.

	1893.	1894.
Number of visits to schools . . .	747	795
Absences investigated	596	490
Cases of truancy	159	88
Truants arrested	10	8
Sent to House of Reformation . . .	3	6

Decrease in cases of truancy 45 per cent as compared with 1893.

TABLE 17. — GRAMMAR SCHOOL GRADUATES, 1894.

SCHOOLS.	Number receiving Diplomas.	Number Certificated for High School.	Number that entered the High School.
Prescott . . .	39	36	26
Edgerly . . .	41	39	23
Pope . . .	35	28	20
Knapp . . .	32	20	9
Bell . . .	31	28	26
Forster . . .	79	75	55
Morse . . .	66	54	43
Highland . . .	68	62	51
Total . . .	391	342	253

TABLE 18. — ATTENDANCE IN EVENING SCHOOLS, 1894.

	BELL.			PRESCOTT.			HIGHLAND.			Total.
	October.	November.	December.	October.	November.	December.	October.	November.	December.	
Enrolled	191	198	203	83	93	93	83	96	96	392
Average Membership	94	49	33	66	62	52	52	50	35	120
Average Attendance	61	32.6	23	55	44	43	33	28	20	86
Per cent Attendance	64.9	66.5	69.7	83.3	70.9	82.7	63.5	56.0	71.4	71.7
Number of Teachers	7	4	3	5	5	3.9	4	3	2.5	9.4
Pupils to Teacher	13.4	12.2	11	13.2	12.4	13.3	13.0	16.6	14	12.8

Cost for October	.	.	.	.	.	.	.	\$ 460	50
“ “ November	.	.	.	.	.	.	.	354	50
“ “ December	.	.	.	.	.	.	.	289	90
Total	.	.	.	.	.	.	.	\$ 1,104	90
Cost per Pupil	.	.	.	.	.	.	.	\$ 9	21
Number of Sessions	.	.	.	.	.	.	.		47

EVENING DRAWING SCHOOL, 1894.

	INDUSTRIAL.			FREE-HAND.		
	October.	November	December	October.	November	December
Enrolled	120	123	123	98	108	113
Average Membership	109	99	83	82	90	63
Average Attendance	103	83	63	65	59	44
Per cent Attendance	94.5	83.8	75.9	79.3	65.5	69.8
Number of Teachers	5	5	5	3	3	3
Pupils to Teacher	21.8	19.8	16.6	41	30	21

Cost of Instruction, etc.	.	.	.	.	.	\$ 728	00
“ “ Supplies	.	.	.	.	.	253	15
“ per Capita	.	.	.	.	.	14	12
Number of Sessions	.	.	.	.	.		23

TABLE 19.—GRAMMAR SCHOOL GRADUATES
FOR A SERIES OF YEARS.

[illegible]

TABLE 20. — ATTENDANCE STATISTICS FOR A SERIES OF YEARS.

DECEMBER.	ENROLLMENT.	Average Membership.	Average Attendance.	Per cent of Attendance.	Number of Tardinesses.	Ratio of Tardiness to Average Attendance.
1885	6,276	4,904	4,627	94.4	2,480	0.536
1886	6,350	4,985	4,678	93.8	2,834	0.606
1887	6,605	5,198	4,879	93.8	2,699	0.553
1888	7,262	5,488	5,174	94.0	2,938	0.549
1889	7,757	5,956	5,585	93.8	2,780	0.498
1890	7,878	6,485	6,075	93.6	3,133	0.516
1891	8,510	6,502	6,091	93.7	3,182	0.522
1892	9,120	7,035	6,608	93.9	3,181	0.481
1893	9,632	7,217	6,790	94.1	3,375	0.497
1894	9,387	7,212	6,840	94.8	3,000	0.419

TABLE 21. — MEMBERSHIP, ETC., OF HIGH SCHOOL
FOR A SERIES OF YEARS.

YEAR.	Average Membership All Schools.	Largest Number in High School.	Per cent of Average Membership of all Schools.	Number of Graduates of High School.	Per cent of Average Membership of all Schools.
1867	2,157	119	5.51	7	0.32
1868	2,285	141	6.17	17	0.75
1869	2,480	158	6.37	25	1.01
1870	2,639	165	6.25	16	0.65
1871	2,549	161	6.31	33	1.29
1872	2,799	186	6.64	21	0.75
1873	3,217	190	5.91	28	0.87
1874	3,265	198	6.06	26	0.79
1875	3,515	213	6.06	31	0.88
1876	3,712	226	6.09	33	0.81
1877	3,788	227	5.91	37	0.98
1878	3,992	250	6.26	31	0.78
1879	4,169	246	5.90	34	0.82
1880	4,278	254	5.93	27	0.63
1881	4,064	256	6.29	34	0.84
1882	4,263	280	6.57	33	0.77
1883	4,438	278	6.26	43	0.97
1884	4,804	315	6.55	46	0.96
1885	4,904	385	7.85	46	0.94
1886	4,985	374	6.70	56	1.12
1887	5,198	387	7.44	53	1.02
1888	5,488	435	7.92	60	1.09
1889	5,956	444	7.45	67	1.12
1890	6,485	487	7.51	60	0.93
1891	6,502	535	8.23	68	1.05
1892	7,035	577	8.20	80	1.14
1893	7,217	626	8.67	82	1.14
1894	7,274	691	9.50	111	1.52

TABLE 22. — RESIGNATIONS OF TEACHERS, 1894.

SCHOOL.	Teacher.	Time of Resignation.	In Service.
High . . .	Carrie E. Strong.	Jan. 8.	4 months.
" . . .	Mary M. Kingsbury.	June 30.	2 yrs., 4 mos.
" . . .	Alice E. Sawtelle.	June 30.	1 yr., 5 mos.
" . . .	Bertha L. Brown.	Sept. 1.	2 yrs., 1 mo.
" . . .	Mary A. Pratt.	Nov. 26.	1 yr.
Bell . . .	S. Minnie Wiggins.	June 30.	2 yrs., 7 mos.
Edgerly . . .	Emma L. Zeigler.	March 26.	2 yrs.
Forster . . .	Helen A. Smith.	March 26.	1 yr., 4 mos.
" . . .	Cora F. Sanborn.	Dec. 21.	1 yr., 4 mos.
Highland . . .	Agnes M. Ward.	Nov. 26.	1 yr., 11 mos.
Knapp . . .	Harry N. Andrews.	March 26.	3 yrs., 7 mos.
Morse . . .	Sarah S. Waterman.	June 30.	7 yrs.
" . . .	Amy C. Hudson.	June 30.	18 yrs.
" . . .	Stella Hall.	Nov. 26.	10 yrs.
Pope . . .	Maria Miller.	June 30.	25 yrs.
Davis . . .	Annie J. Richardson.	Dec. 21.	5 yrs.
Jackson . . .	Annie W. Hatch.	June 30.	1 yr.
Beech Street . . .	Emma T. Tower.	June 30.	4 yrs.
Harvard . . .	Carrie A. Fowle.	March 26.	1 yr., 7 mos.

TABLE 23.—TEACHERS ELECTED IN 1894.

SCHOOLS.	Teachers.	Date.	Salary.
High	Mary A. Pratt.	January 29.	\$ 800
"	Carrie A. Marsh.	January 29.	700
"	Nellie S. Bakeman.	May 28.	750
"	Florence H. Paul.	September 24.	800
"	Florence K. Bailey.	September 24.	800
"	Esther Bailey.	December 31.	750
Cummings	Margaret L. Martin.	January 29.	400
Knapp	John S. Emerson.	March 26.	1,700
Pope	Charlotte S. Buck.	September 24.	600
Forster	Mary E. Bunton.	March 26.	600
"	Ursula M. Willard.	June 25.	400
"	Irena S. Nightingale.	December 31.	600
Bingham	Mabel E. Mansir.	January 29.	350
"	Elizabeth J. O'Neil.	February 26.	600
"	Harriet M. Ward.	June 25.	600
Morse	Genevieve Allen.	June 25.	675
"	Adelaide F. Eaton.	June 25.	600
Franklin	Jennie A. Chapman.	June 25.	600
Highland	Alice L. Hayward.	June 25.	500
Lincoln	Flora A. Burgess.	February 26.	600
Durell	Grace Bosworth.	June 25.	600
"	Mary Winslow.	June 25.	600
"	Edith L. Hunnewell.	June 25.	350
Harvard	Grace B. Tibbetts.	October 29.	500
Supervisor of Physical Training } . . .	Blanche A. Bemis.	June 25.	600
Davis	Lucia E. Estey.	December 31.	600

TABLE 24.—TRANSFERS OF TEACHERS AS TO SCHOOLS.

TEACHER.	From	To
Nora F. Byard	Bingham.	Durell.
Ella M. Coops	Franklin.	Beech Street.
Grace Emerson	Forster.	Lincoln.
Carrie E. Fay	Lincoln.	Bingham.
Harry F. Hathaway	Lincoln.	Bingham.
Annie L. Savage	Prospect Hill.	Jackson.
Ella F. Gould	Morse.	Forster.
Lennie W. Bartlett	Forster.	Morse.

TABLE 25.—TRANSFERS OF TEACHERS AS TO GRADES.

Helen P. Bennett.	From Grade 4, 5 to Grade 6.			
Anna C. Damon.	"	"	4	" 5.
Gertrude L. Gardner.	"	"	6	" 7.
Harriet A. Hills.	"	"	5	" 6.
Gertrude C. Mason.	"	"	3	" 4.
Annie G. Sheridan.	"	"	3	" 4.
Addie E. Wentworth.	"	"	6	" 7.
Grace Emerson.	To principalship of Lincoln.			
Harry F. Hathaway.	"	"	"	Bingham.
Nora F. Byard.	"	"	"	Durell.
Ella M. Coops.	"	"	"	Beech Street.

TABLE 26.—LEAVE OF ABSENCE OF TEACHERS.

May 28. Addie S. Winnek, for one year.
 May 28. S. Adelaide Blood, for one year.
 Sept. 24. Anna E. Sawyer, for one year.

TABLE 27.—TIME LOST BY TEACHERS IN 1894.

SCHOOL.	No. of Teachers.	Days Lost.	Days per Teacher.	SCHOOL.	No. of Teachers.	Days Lost.	Days per Teacher.
High . .	15	46	3.1	Cummings	4	14	3.5
Bell . .	13.6	95.5	7.0	Davis .	4	15	3.8
Edgerly .	13	47.5	3.7	Durell .	4	2.5	0.6
Forster .	13	55.5	4.3	Franklin .	4	48.5	12.1
Highland .	13	50	3.8	Lincoln .	4	21.5	5.4
Knapp .	9.9	25	2.5	Bennett .	3.3	3.5	1.0
Morse .	13	32	2.5	Jackson .	3	6.5	2.2
Pope . .	13	95	7.3	Beech Street	2	9.0	4.5
Prescott .	13	36.5	2.8	Cedar Street	2	4.5	2.3
Bingham .	7.2	29.5	4.1	Prospect Hill	6	10.5	1.8
Glines .	8	21	2.6	Harvard .	1	5.0	5.0
Burns .	4	20.5	5.1	Special .	5.4	19.5	3.6
				Total .	178.4	715	4.0

Per cent of Attendance of Teachers, 97.8

TABLE 28.—NUMBER OF TEACHERS FOR A SERIES OF YEARS.

YEAR.	High School.	Grammar School.	Primary School.	Special Teachers.	Assistants not in charge of room.	Men.	Women.	Total.
1885	9	63	48	1	0	10	111	121
1886	9	62	48	1	0	9	111	120
1887	10	64	48	1	0	9	114	123
1888	10	66	52	4	7	9	130	139
1889	10	60	56	4	7	10	127	137
1890	10	78	58	5	7	12	146	158
1891	12	86	63	5	13	12	167	179
1892	13	90	67	5	10	12	173	185
1893	14	88	63	5	19	12	177	189
1894	15	91	66	6	11	12	177	189

TABLE 29.—TEACHERS OF THE HIGH SCHOOL SINCE ITS ORGANIZATION.

PRINCIPALS.

Robert Bickford, 1852 to 1854. Isaac N. Beals, 1858-59.
 Leonard Walker, 1854 to 1856. Henry H. Babcock, 1859 to 1867.
 Samuel J. Pike, 1856 to 1858. George L. Baxter, 1867 —

SUB-MASTERS.

Walter F. Marston, 1871 to 1875. Luther B. Pillsbury, 1878-79.
 William S. Forrest, 1875 to 1878. Frank M. Hawes, 1879 —

JUNIOR SUB-MASTER.

Charles T. Murray, 1887 —

ASSISTANTS.

Elizabeth C. Babcock, 1852-53.	Eudora Morey, 1882 —
Charlotte Gardner, 1853-54.	Minnie C. Clarke, 1882 to 1887.
Rebecca F. Ames, 1853-54.	Laura E. Giddings, 1882 to 1889.
Maria A. Merriam, 1854 to 1856.	Frederic B. Hall, 1885 to 1887.
Agnes Gillis, 1854 to 1856.	Josephine H. Short, 1887 to 1892.
Lucy A. Dudley, 1856 to 1858.	Bessie R. White, 1887 to 1893.
Sarah E. Cushman, 1857.	Lilia E. Smith, 1889-90.
Lydia A. Pearce, 1857-58.	Mabell S. Clark, 1889 to 1891.
George C. Brackett, 1858 to 1860.	Annie E. French, 1891-92.
Harriet E. Reed, 1860 to 1867.	Mary M. Kingsbury, 1892 to 1894.
Harriet E. Guild, 1860-61.	Bertha L. Brown, 1892 to 1894.
Elizabeth S. Owen, 1861-62.	M. Isabel Goldthwaite, 1892 —
Sarah L. Graves, 1865 to 1882.	Lena Gilbert, 1892 —
Susan Osgood, 1867-68.	Helen H. Wadsworth, 1892 —
Mary E. Davis, 1867 to 1875.	Alice E. Sawtelle, 1893-94.
Sarah W. Fox, { 1868 to 1873.	Grace A. Tuttle, 1893 —
{ 1875 —	Mary A. Pratt, 1893-94.
Annette E. Long, 1869 to 1882.	Carrie E. Strong, 1893.
Julia A. Stetson, 1873 to 1879.	Grace Weston, 1893-94.
Alfred Bunker, 1877-78.	Carrie A. Marsh, 1894 —
Frederic Farnsworth, 1879-80.	Florence H. Paul, 1894 —
Kate W. Cushing, 1880 to 1882.	Florence K. Bailey, 1894 —
Sarah F. Litchfield, 1880 to 1892.	Nellie S. Bakeman, 1894 —
Frances W. Kaan, 1882 —	Esther Bailey, 1895 —
Whole number, 58.	

TABLE 30. — CHANGES OR ADOPTIONS OF TEXT-BOOKS.

GRADES 4 AND 5 — Frye's Primary and Potter's New Elementary Geography in place of Barnes's and Harper's Geographies.

GRADE 9. — Thomas's United States History in place of Barnes's.

GRADE 3. — Scudder's Fable and Folk Stories.

GRADES 1 AND 2. — The Cecilian, Part 1. Desk book.

GRADES 6, 7 AND 8. — Potter's Advanced Geography. Desk book.

GRADES 4, 5 AND 6. — Ricks's Object Lessons, First Series. Desk book.

GRADES 7, 8 AND 9. — Ricks's Object Lessons, Second Series. Desk book.

GRADE 8. — Tilden's Commercial Geography. Desk book.

GRADE 9. — Appleton's Physical Geography. Desk book.
Warren's Physical Geography. Desk book.

TABLE 31. — GRADUATING EXERCISES OF CLASSES OF 1894.

HIGH SCHOOL.

The forty-second annual exhibition of the High School occurred on Tuesday, June 26, at the first M. E. Church, in the presence of a large and interested audience.

After the completion of the programme, His Honor, Mayor William H. Hodgkins, presented diplomas to the one hundred and eleven members of the graduating class.

ORDER OF EXERCISES.

PRAYER. Rev. G. W. DURELL.

SINGING.*—Bridal Chorus: "The Rose Maiden."

Cowen

1. SALUTATORY IN LATIN.

FRANCIS P. GARLAND

2. READING. THE ANGEL AND THE SHEPHERDS.

Wallace

ESTHER SHAW.

VIOLIN SOLO: Religious Meditation.

Eichberg

LOTTIE G. BOWERS.

3. READING. MY CLOCK.

Jerome

CHARLES H. COLGATE, Jr.

4. DER DAEMMERUNGSVEREIN.

GEORGINA CROSBY.

KATHARINE L. STEBBINS.

HELEN A. ELDRIDGE.

ETHEL F. TUCKER.

MABEL L. MARSTON.

MARTHA E. VINCENT.

ANNIE G. O'CONNELL.

MATTIE G. YORK.

MARIA SANDAHL.

SINGING.—Trio (in canon): "William Tell."

Rossini

Two-part Song: The Pilot.

Millard

(Male voices.)

5. ESSAY. *An Allegory.*

BESSIE F. MANNING

6. READING. DEACON TUBMAN'S RACE.

Murray

LAURA MAY WELLINGTON.

7. FROM "TROILUS AND CRESSIDA."

(Original Version in Greek.)

SAMUEL P. CAPEN.

WINIFRED G. HILL.

FREDERICK H. PACKARD.

BLANCHE M. HUSE.

SAMUEL G. UNDERHILL.

SINGING.—Semi-chorus: In Arcady.

H. K. Hadley

* Singing accompanied by Hadley's Orchestra.

RECESS.

MUSIC.—Waltzes: Florida (Land of Flowers). *H. K. Hadley*

SINGING.—Recitative and Aria: Caro Nome. "Rigoletto." *Verdi*
(Instrumentation by S. Henry Hadley.)

EVANGELINE NORWOOD.

8. LES SEPT PÉCHÉS CAPITAUX.

ANNIE M. DE ALMEIDA.	ANNA L. HODGDON.
BESSIE A. DADMUN.	MABEL G. PAUL.
MABEL G. DELANO.	MARY E. TIRRELL.
MABEL A. FITZ.	L. H. BIRMINGHAM.
FLORENCE W. GOODING.	D. WILBUR BOWIE.
MABEL A. GRANT.	CHARLES H. TOZIER.

9. BACCHUS AND THE FROGS.

(Adapted from the Greek of Aristophanes.)

Prologue, MAUDE L. SOULE. Bacchus, CHARLES E. LORD.

Queen, ELLEN M. GRIFFIN. With chorus of Frogs.

10. CLASS POEM.

ALICE R. MCGANN

SINGING.—Bird Song. (Female voices.)

Taubert

Chorus: Sleighing Song.

H. K. Hadley

11. READING. THE ARENA.

Wallace

FLORENCE R. CONANT.

12. PROPHECIES.

PERCY F. PARSONS

13. VALEDICTORY.

EDITH A. WINSHIP

14. PRESENTATION OF DIPLOMAS.

BY HIS HONOR, Mayor WILLIAM H. HODGKINS.

15. PARTING HYMN. WORDS AND MUSIC BY LOUIS H. BIRMINGHAM

MEMBERS OF THE GRADUATING CLASS.

Elizabeth Maud Baldwin.	Grace Howard Morse.
Clara Hosmer Brown.	Evangeline Norwood.
Ethel Maude Chabot.	Annie Gertrude O'Connell.
Annie Elizabeth Chapman.	Mabel Gray Paul.
Elizabeth Paine Chapman.	Bertha Lord Pierce.
Florence Winniefred Chase.	Mabel Alberta Pettes.
Matie Juliette Connolly.	Maria Sandahl.
Mary Delia Magdalene Cooney.	Nannee May Sargent.
Bessie Adelaide Dadmun.	Ada Belle Scales.
Kate May Dane.	Esther Shaw.
Sallie Harris Davenport.	Maude Lillian Soule.
Matie Irene Dayfoot.	Annie Florence Stratton.
Mabel Guild Delano.	Gertrude Evelyn Taylor.
Susie Elizabeth Dewing.	Mary Ellen Tirrell.
Katharine Alphonsus Diggins.	Ethel Florence Tucker.
Helen Andrews Eldridge.	Elizabeth Mabel Ward.
Inez May Felt.	Laura May Wellington.
Mabel Gertrude Fisher.	Mada Sevrens Wendell.
Mabel Alice Fitz.	Blanche Wheeler.
Ada Belle Gilmore.	Henrietta Louisa Yelland.
Florence Wellington Gooding.	Louis Howland Birmingham.
Grace McIntosh Gordon.	Samuel Taylor Birmingham.
Mabel Alice Grant.	David Wilbur Bowie.
Rebecca Jennie Greene.	Arthur Abbott Clarke.
Ellen May Griffin.	Alvah Frank Dole.
Miriam Gunsenhiser.	William Zobeskie Fleming.
Anna Louise Hodgdon.	William Clark Hammond.
Cora Isabel Howe.	James Henry Hunt.
Mary Lilian Le Bosquet.	Franklin Conant Kendall.
Sophia Atkins Lombard.	Charles Edward Lord.
Bessie Frances Manning.	Thomas Miller, Jr.
Mabel Louise Marston.	Henry Dudley Newell.
Katharine Mary McCarthy.	Joseph William Ralph.
Annie Frances McFadden.	Edwin Adams Shaw.
Alice Robinson McGann.	Amos Worthen Shepard.
Sarah Adelaide Merry.	Charles Herman Tozier.

COURSE PREPARATORY TO COLLEGE.

Malcolm Campbell Anderson.
Samuel Paul Capen.
Charles Henry Colgate, Jr.
Francis Paul Garland.
Frederick Henry Packard.
Percy Fowler Parsons.
Leonard Holden Pote.
Nathan Parker Reed.
Herbert Richardson.
John Fulton Stevens.
Ralph Ricker Stratton.
Coleman Tousey.
Samuel Graham Underhill.
Anna Mackay De Almeida.
Edith May Barrows.
Ethel Townsend Bartlett.
Lottie Gertrude Bowers.
Lilian Estelle Clark.
Florence Reynolds Conant.
Georgina Crosby.

Florence Elizabeth Delano.
Elsie Grace Hatchard.
Clara Gertrude Hegan.
Sarah Elizabeth Hight.
Winifred Gertrude Hill.
Ethel Gulliver Hodgkins.
Blanche Manahan Huse.
Mattie Louise Littlefield.
Annie Maria Mahoney.
Ruth Janet Macgregory.
Josephine Lord Mitchell.
Katharine Louise Stebbins.
Harriet Alice Turner.
Martha Edwards Vincent.
Alice Lucretia Westgate.
Grace Rowena White.
Edith Annette Winship.
Martha Edith Winslow.
Mattie Gertrude York.

TABLE 32.—GRAMMER SCHOOL GRADUATES.

The graduation exercises of the Grammer schools were held at the First M. E. Church, Union 'square, on Thursday evening, June 28. Three hundred and eighty-nine graduates received diplomas at the hands of His Honor, Mayor Hodgkins.

The following is the

PROGRAMME.

PART FIRST.

1. OVERTURE. "A Morning, Noon and Night in Vienna." *Suppe*
HADLEY'S ORCHESTRA.
2. *SINGING. FOUR-PART SONG. "Night Song." *Rheinberger*
3. PRAYER.
REV. EDWARD S. TEAD.
4. SINGING. TWO-PART SONG. "Wanderer's Evening Song."
Rubinstein
5. ADDRESS.
REV. EDWARD EVERETT HALE, D. D.

PART SECOND.

6. SINGING. VOCAL GALOP. "The Revel of the Leaves." *Veazie*
7. ADDRESS TO GRADUATES AND PRESENTATION.
OF DIPLOMAS.
Mayor WILLIAM H. HODGKINS.
8. SINGING. VOCAL MARCH. "The May Day." *H. K. Hadley*

* Singing accompanied by Hadley's Orchestra, under the direction of S. Henry Hadley, teacher of music in the schools.

PRESCOTT SCHOOL.

GRADUATES.

Annie Atkinson.
Warren J. Baldwin.
Mary E. Blood.
William E. Bolton.
William L. Bradford.
Annie E. Callahan.
Lillian V. Carver.
Annie C. Clifford.
Florence B. Cochran.
Charlotte M. Coner.
William F. Cutter.
Bertha L. Day.
Justin A. Duncan.
Helen A. Fitzgerald.
Alice S. Frye.
Frank W. Grimes.
Walter M. Higgins.
William N. Howard.
Ethelyn I. James.
Gertrude A. Lanagan.

Ethel M. Lord.
Edith E. Ludwig.
John Peck.
Minnie E. Price.
William A. Randall.
Alfred S. Rich.
Eva L. Simmons.
Ethel M. Smith.
Grace L. Smith.
Persis J. Sylvester.
Arden D. Webb.
George C. Webb.
Duncan Wemyss.
Benjamin F. Wessells.
Marion R. White.
Rebecca R. Whitman.
Jennie D. Wilson.
Herbert L. Young.
William H. Young.

LUTHER V. BELL SCHOOL.

GRADUATES.

Charles M. Ambrose.
Arthur M. Blake.
William I. Brown.
Amelia Lucile Brownson.
Allen Granger Chapin.
Mabel Vesta Coney.
Charles F. Cuddy.
Lillian May Cuddy.
Edna Belle Evans.
Frank E. Fitts, Jr.
Grace Iva Godfrey.
Walter E. Harmon.
James Henry Hegan.
Alida J. Kaula.
Arthur A. Kidder.

Ada Estelle Lawson.
Francis H. Lord.
Bradley Adams McCausland.
Thomas F. McGann, Jr.
Fred W. Miller.
Jennie Almira Milner.
Alexander Neeily.
Henry J. T. Pring.
Margaret M. Rice.
Edna M. Snell.
Malcolm E. Sturtevant.
Donald Graves Tead.
Effie H. Thorpe.
Susan Coolidge Woodman.

EDGERLY SCHOOL.

GRADUATES.

Samuel A. Alcock.	F. Gertrude Lowell.
Lilla M. Alger.	Bertha E. Lyman.
Dora B. Anderson.	Ethel A. Manthorne.
Bessie W. Bailey.	Harry L. McPherson.
Winogene Bennett.	Agnes G. Mooney.
Willard C. Braden.	Sadie E. Nickerson.
Annie E. Bruce.	Victor O'Brien.
William A. Burns.	Emma M. Petri.
Clarence E. Cate.	Maude F. Quinn.
Wesley W. Coe.	May A. Rich.
Frances G. Connell.	Jennie E. Scott.
Lucy M. Cunningham.	Nelson C. Smith.
Frederic M. Davis.	Jennie L. Stentiford.
Gladys M. Dueheana.	Louis A. Taylor.
Gertrude S. Dugan.	James F. Tirrell.
Bertha L. Hale.	Lilla M. Walker.
William H. Hale.	Gertrude J. Webber.
Susie L. Hammett.	Clarence W. Wentworth.
Elizabeth F. Hatchell.	Harry B. Wentworth.
Florence G. Kendall.	Joseph K. Wiswell.
Florence Linnell.	

OREN S. KNAPP SCHOOL.

GRADUATES.

Elizabeth M. Adams.	Charles Henry McLaughlin.
Ralph Samuel Adams.	A. Maude McLean.
Lida Bethia Belcher.	Flora Morris.
Alice Irene Budden.	Thomas J. Mullen.
Henry Maurice Cavanagh.	John White Mulliken.
Margaret Teresa Cavanagh.	Bessie Champney Olin.
Ernest David Corliss.	John William Quinn.
Fanny May Daniels.	George John Rauh.
Charles C. Farnum.	William John Roche.
Arthur Melville Fillebrown.	Leonard W. Rockwell.
Maud Lee Hall.	Patrick Francis Ryan.
Bertha Haynes.	Margaret E. Simons.
Ray George Hoffses.	Joseph Leo Vincent.
M. Gertrude Killian.	Charlotte S. Webb.
E. Gertrude Leighton.	James E. L. White.
Joseph J. Manning.	Bessie Adelia Yerxa.

FORSTER SCHOOL.

GRADUATES.

Charles P. Abbott.	Guy R. Hilliard.
Chester F. Adams.	Rubena M. B. Howard.
Clarence E. Baker.	Jennie L. Hutchinson.
Herbert L. Barnard.	Lulu A. Jones.
Herbert A. Blake.	Mary T. Kennedy.
Florence A. Bone.	Gustave A. Kuhn.
George W. Bone.	Charles A. Lamont.
Joseph E. Bowen.	Charlotte E. Leavitt.
Charlotte I. Browne.	Minnie G. Leavitt.
Edna F. Burckes.	Agnes I. McCoy.
Ella M. Burgess.	Bertha A. McCrillis.
Chester C. Burnham.	Annie L. McLaughlin.
William H. Butler.	Catherine M. McLaughlin.
Leonard D. Chandler.	Hector C. McLean.
Gertrude Cheney.	Mary A. Mooney.
Wallace J. Columbus.	Ella F. Murdock.
William T. Coveney.	Jennifred M. Noble.
Bessie C. Crosby.	Charlie L. Ogilvie.
Albert G. Crowley.	Minnie B. Palmer.
William D. Crowley.	Alfred B. Pearson.
Ruby H. Currier.	Royal K. Peirce.
Edna L. Cushing.	George E. Perkins.
Phillip G. Darling.	Amelia E. Piccott.
Mattie L. Desmond.	Beaulia E. Porper.
Nellie T. Donovan.	Mabel J. Powers.
Nellie E. Drake.	Lalia C. Raymond.
Charles A. Fitzpatrick.	Harry E. Sawtell.
Alice P. French.	Frederick T. Scott.
Louise S. Frost.	William C. Stephenson.
Mabel F. Fuller.	George A. Stevens.
Raymond Gage.	Herbert E. Stone.
Walter R. Gilbert.	Nellie T. Stone.
Jessie F. Grieves.	Harry M. Stoodley.
Mabel G. Griffiths.	Helen V. Sutherland.
Waldo D. Hallett.	Charles I. Todd.
Annie M. Hammer.	Edgar P. Trott.
Matie L. Hardison.	Helen M. Waldron.
Addie C. Harlow.	Florence G. Williams.
Fred R. Harlow.	Eleanor J. Wingersky.
Fred E. Hilliard.	

MORSE SCHOOL.

GRADUATES.

Maude Bezanson.
Mary Gertrude Blackwell.
Alice Edna Brown.
Helen Damon Carr.
Mary Emily Carr.
Charles D. Chase.
William H. Christie.
Harry Bickerton Clark.
Florence Sydney B. Clarke.
Janet A. Cowan.
Mary Emma Cox.
Louis F. Crowell.
A. Gertrude Cummins.
Gertrude May Currier.
Mabel Katharine Davis
Mabelle Catharine Deacon.
John H. Densmore.
Lillian French Dickinson.
Louise H. Dickinson.
Eda Florence Dolliver.
Charles E. Dyer
Adelaide R. Edmands.
Charlotte Cordelia Eldridge.
Hortense May Estes.
Emma Goldthwaite Fenton.
Charles Joseph Fulton.
Arthur Hall Goodwin.
Heathe I. Gregory.
Nora Frances Hallissy.
Martha L. Haugh.
Ida C. Hilt.
Harry Garner Hooper.
Lester H. Jackson.

George F. Kendall, Jr.
Marion C. Kendall.
Margaret A. Lakin.
Florence Jeannette Lewis.
Daisy Mabelle Little.
Sarah Eva Logan.
Blanche Eugenie Lord.
Clara Louise Macken.
Agnes M. Moore.
Agnes B. Morehouse.
Mildred A. Nichols.
Mabel Allen Nye.
Herman E. Olsen.
Edward Thomas O'Neil, Jr.
Alice Maud Parrott.
Emma Franklin Paul.
Ethel Bennett Pitman.
Etta Frances Pratt.
Walter Ramsay.
Carl R. Ringdahl.
Winifred J. Roberts.
Alice G. Sartwell.
John J. A. Seitz.
Isaac Edward Sexton.
Michael F. Shea.
Carrie A. Smith.
Hubbard Vaughan Smith.
Etta M. Thorpe.
Charles Augustus Waterman.
Frank R. Wheelock.
William F. Willmann.
Alfred William Woods.
Fritz R. Zoeller.

HIGHLAND SCHOOL.

GRADUATES.

Rose A. Blackall.
Bella M. Bland.
Mabel F. Bossey.
Sadie B. Bradshaw.
Estelle Bray.
Mae E. Brock.
Horace R. Brown.
Ethel F. Browne.
Mabelle F. Bryant.
Josephine R. Burke.
Lillian I. Cameron.
Horace A. Cammon.
Ruth P. Capen.
Alvan W. Clark.
Harry V. Clark.
Frank E. Cleveland.
Eva M. Colesworthy.
John J. Comey.
James W. Cronan.
George B. Curtis.
William R. Davis.
William E. Dillon.
Henry W. S. Downs.
Lenora F. Downs.
John K. Duhig.
Laura M. Eastman.
Esther Ericson.
Irwin S. Felt.
Effie M. Fife.
Mabel P. Foster.
Constance E. Freethy.
Moses A. Gunsenhiser.
Ruth M. Harmon.
Harry T. Hartwell.

Maggie V. V. Herrick.
Bessie E. Howe.
E. Louise Hunter.
Josephine H. James.
Fred K. Jones.
George T. Jones.
William W. Lea.
Portia Lowe.
Ida M. Lynam.
Lizzie E. Marshall.
Joseph K. McRae.
Emma E. Mills.
Charles H. Munger.
Franklin N. Parsons.
Albert L. Pearson.
Annie S. Peter.
Maud K. Phinney.
Wilbur J. Pierce.
Frank J. Pushee.
Harry N. Robbins.
Florence A. Russell.
Arthur L. Ryan.
Caroline V. Sargent.
Helen W. Skinner.
Percy C. Smith.
Ethel H. Sparrow.
Vivian L. Stevens.
Bertha W. Studley.
Edna F. Thresher.
Maud R. Tousey.
Agnes K. Wallace.
Clara L. Weitz.
Robert R. White.
Florence Young.

CHARLES G. POPE SCHOOL.

GRADUATES.

Cornelius E. Ahern.	Florence E. Mitchell.
Carl F. Ashton.	John H. Murphy.
Fred H. Ashton.	William O. Packard.
Ellen G. Bowen.	Walter H. Pearson.
George H. Carter.	Jennie E. Perry.
William J. Casey.	Joseph P. Phillips.
Edith G. Cross.	Marion Pitman.
Grace L. Doherty.	John W. Quinlan.
Bernard D. Elkins.	Jennie L. Ray.
Annie E. Foley.	Annie L. Regan.
Albert E. Gordon.	Percy E. Roffe.
James T. Heshion.	Margaret G. Rooney.
John Higgins.	Annie E. Sharkey.
Maria G. Kelly.	Walter K. Smith.
Edward P. Lovering.	Thomas M. A. Sweeney.
Forrest S. Lunt.	Lillian J. Trenholm.
Mary Y. Martin.	Albert W. Wormwood.
Albert J. Meserve, Jr.	

TABLE 33.—TEACHERS IN SERVICE DECEMBER, 1894.

¹COLLEGE GRADUATE. ²NORMAL SCHOOL GRADUATE. ³SOMERVILLE HIGH SCHOOL GRADUATE.

HIGH SCHOOL.

NAME.	Grade.	Salary.	Beginning of Service.
<i>George L. Baxter</i> ¹ . .	Principal	\$2,400	1867
Frank M. Hawes ¹ . .	Sub-Master	2,000	1879
Charles T. Murray ¹ . .	Junior Sub-Master	1,600	1887
Sarah W. Fox . .	Assistant	1,200	1868
Frances W. Kaan ² . .	"	850	1882
Eudora Morey ² . .	"	850	1882
M. Isabel Goldthwaite ¹ . .	"	800	1893
Grace A. Tuttle ² . .	"	800	1893
Mrs. Lena Gilbert . .	"	800	1893
Helen H. Wadsworth ¹ . .	"	800	1893
Carrie A. Marsh ¹ . .	"	800	1894
Florence H. Paul ¹ . .	"	800	1894
Florence K. Bailey ¹ . .	"	800	1894
Nellie S. Bakeman ¹ . .	"	750	1894

BELL SCHOOL.

NAME.	Grade.	Salary.	Beginning of Service.
<i>F. W. Shattuck</i> ¹ . .	Principal	\$1,800	1890
May E. Berry ³ . .	IX	675	1880
Emma F. Schuch ³ . .	VIII	600	1874
Mary A. Bradford . .	VII	600	1888
Nellie S. Dickey . .	VII	600	1889
Vyra L. Tozier ² . .	VI	600	1892
Mabel T. Totman . .	VI	600	1892
Mary S. Rinn ³ . .	V	600	1889
Ada F. Fernald ² . .	V	600	1893
Anna L. Alger ² . .	IV	600	1891
Edith J. Holden ² . .	III	600	1893
Martha E. Daniels ³ . .	II	600	1891
Eliza L. Schuch ³ . .	I	600	1882

EDGERLY SCHOOL.

NAME.	Grade.	Salary.	Beginning of Service.
<i>Charles E. Brainard</i> .	Principal	\$1,800	1889
Clara B. Cutler . . .	IX	675	1892
Annie L. Dimpsey . .	VIII	600	1891
Mary E. Richardson . .	VII	600	1893
Gertrude L. Gardner 2 .	VII	600	1889
Mabel C. Mansfield 2 . .	VI	600	1893
Helen P. Bennett 2 . .	VI	600	1890
Carrie Alma Colton 2 . .	V	600	1893
Gertrude C. Mason 2 . .	IV	600	1893
Alice M. Dearing . . .	III	600	1890
Lillian Nealley 2 . . .	II	600	1882
Clara M. Bagley . . .	I	600	1873
Martha M. Power . . .	I	600	1891

FORSTER SCHOOL.

NAME.	Grade.	Salary.	Beginning of Service.
<i>Fred C. Baldwin</i> 1 . .	Principal	\$1,800	1893
Elizabeth A. Page 2 . .	IX	675	1893
Mrs. Cora F. Sanborn 2 .	IX	675	1893
Mary E. Bunton . . .	VIII	600	1894
Ella F. Gould . . .	VII	600	1882
Lizzie Frances Clement .	VI	600	1884
Lucy K. Hatch 2 . . .	V	600	1892
Alice A. Batchelor . . .	IV	600	1877
Ursula M. Willard . . .	III	400	1894
Luetta M. Wescott 2 . .	III	600	1892
Annie S. Gage 3 . . .	II	600	1883
Grace Shorey 2 . . .	I	500	1892
Harriet A. Brown 2 . .	I	600	1890

HIGHLAND SCHOOL.

NAME.	Grade.	Salary.	Beginning of Service.
<i>George E. Nichols</i> 1 . .	Principal	\$1,800	1877
M. Alice Paul 3 . . .	IX	675	1879
Jennie S. Wescott 2 . . .	IX	675	1892
Mabel A. Jepson 2 . . .	VIII	600	1892
Mrs. M. J. Bryant . . .	VIII	600	1894
Annie R. Cox 2	VII	600	1883
Grace M. Clarke 2 . . .	VI	600	1893
Jennie C. Frazier 2 . . .	V	600	1887
Sarah E. Pray 3	IV	600	1878
Alice L. Hayward	III	500	1893
Jennie M. Horner 3 . . .	II	600	1888
Gertrude Friend 2 . . .	I	600	1893
Katherine E. Hourahan 2 .	I	500	1892

KNAPP SCHOOL.

NAME.	Grade.	Salary.	Beginning of Service.
<i>John S. Emerson</i> 2 . . .	Principal	\$1,800	1894
Abby C. Hunt	IX	675	1873
Emma Frye 2	VIII	600	1891
Clara B. Parkhurst 2 . . .	VII	600	1889
Nellie A. Hamblin 2 . . .	VI	600	1882
Clara B. Sackett 2	V	600	1891
Annie E. Robinson 3 . . .	IV	600	1876
Nellie F. Sheridan 3 . . .	IV	600	1888
Abbie A. Gurney 2	III	600	1888
Grace M. White 3	II	600	1893
L. Gertrude Allen 3 . . .	II	600	1884
Minnie A. Perry 2	I	600	1891
Lucia Alger 2	I	600	1889

MORSE SCHOOL.

NAME.	Grade.	Salary.	Beginning of Service.
<i>Miss Mina J. Wendell</i> .	Principal	\$1,700	1882
Genevieve Allen . . .	IX	675	1894
Pauline S. Downes . . .	VIII	600	1872
Lennie W. Bartlett . . .	VII	600	1893
Addie E. Wentworth 2 . .	VII	600	1893
Adelaide F. Eaton . . .	VI	600	1894
Charlotte Duguid . . .	V	600	1894
Mary A. Haley . . .	V	600	1867
Lizzie E. Hill 2 . . .	IV	600	1891
Helen M. Mead 2 . . .	III	600	1893
Ella P. McLeod . . .	II	600	1888
Annabel M. Perry 3 . . .	I	600	1891

POPE SCHOOL.

NAME.	Grade.	Salary.	Beginning of Service.
<i>George M. Wadsworth</i> 1 .	Principal	\$1,800	1891
Florence A. Chaney . . .	IX	675	1892
Harriet M. Clark 2 . . .	VIII	600	1893
Alice I. Norcross . . .	VII	600	1885
Frances A. Wilder . . .	VI	600	1874
Lizzie W. Parkhurst . . .	V	600	1885
Carrie E. Cobb . . .	V	600	1887
Jeannette M. Billings . . .	IV	600	1892
Annie G. Sheridan 2 . . .	IV	600	1886
Charlotte S. Buck 2 . . .	III	600	1894
Lillian C. Albee . . .	II	600	1888
Lydia E. Morrill 3 . . .	I	600	1892
Maizie E. Blaikie 3 . . .	I	600	1891

PRESCOTT SCHOOL.

NAME.	Grade.	Salary.	Beginning of Service.
<i>Samuel A. Johnson</i> 1 . .	Principal	\$1,800	1893
Anna M. Bates 2 . . .	IX	700	1874
Adelaide Reed 2 . . .	VIII	650	1877
E. M. Cate	VII	600	1882
A. A. Anderson	VI	600	1878
Amelia I. Sears 2 . . .	VI	600	1873
Catherine T. Brown 3 .	V	600	1868
Grace L. Shaw	V	600	1892
Clara Taylor 3	IV	600	1871
Sarah E. Pratt 2	III	600	1877
E. M. Plummer	II	600	1877
Louise E. Pratt 3 . . .	III	600	1889
Sarah W. Turner 2 . . .	I	600	1893

BINGHAM SCHOOL.

NAME.	Grade.	Salary.	Beginning of Service.
<i>Harry F. Hathaway</i> 2, Principal	VII VI	\$1,000	1890
Carrie E. Fay 1	V	600	1889
Elizabeth J. O'Neil 2 . .	V	600	1894
Harriet M. Ward 2 . . .	IV	600	1894
Maude L. Kent	III	600	1893
Ruby A. Johnson 2 . . .	II	600	1892
Belle J. Tift 2	I	600	1892
Mabel E. Mansir 3 . . .	I	350	1891

GLINES SCHOOL.

NAME.	Grade.	Salary.	Beginning of Service.
<i>Mary E. Northup</i> , Principal	VIII	\$1,000	1878
Mary E. Stiles 2 . .	VII	675	1883
M. Frances Guptill . .	VI	600	1869
Nellie A. Boynton 2 . .	V	600	1891
Margaret A. Orr 2 . .	IV	600	1891
Mary A. Goddard . .	III	600	1893
Florence E. Baxter 3 . .	II	500	1891
Emma Burckes 3 . .	I	600	1890

BURNS SCHOOL.

NAME.	Grade.	Salary.	Beginning of Service.
<i>Laura F. Brooks</i> , Principal	IV	\$675	1883
Minnie S. Turner 3 . .	III	600	1885
Annie L. Brown . .	II	600	1885
Florence M. Hamlin 3 . .	I	600	1889

CUMMINGS SCHOOL.

NAME.	Grade.	Salary.	Beginning of Service.
<i>Lydia F. Page</i> 3, Principal	IV	\$675	1869
Fannie L. Gwynn 2 . .	III	600	1886
Lena B. Blaikie 3 . .	II	500	1893
Margaret L. Martin . .	I	400	1893

DAVIS SCHOOL.

NAME.	Grade.	Salary.	Beginning of Service.
<i>Mrs. L. A. Burns</i> , 2, Principal	IV	\$675	1882
Annie J. Richardson . . .	III	600	1889
Carrie T. Lincoln 3 . . .	II	500	1893
Priscilla A. Merritt 2 . . .	I	600	1885

DURELL SCHOOL.

NAME.	Grade.	Salary.	Beginning of Service.
<i>Nora F. Byard</i> 3, Principal	IV	\$675	1884
Grace Bosworth 2 . . .	III	600	1894
Edith L. Hunnewell 2 . . .	II	350	1894
Mary Winslow	I	600	1893

FRANKLIN SCHOOL.

NAME.	Grade.	Salary.	Beginning of Service.
<i>Harriet A. Hills</i> 3, Principal	VI	\$675	1874
Jennie A. Chapman 2 . . .	VII	600	1894
Anna C. Damon 2	V	600	1879
Caroline S. Plimpton . . .	II	600	1859

LINCOLN SCHOOL.

NAME.	Grade.	Salary.	Beginning of Service.
<i>Grace Emerson</i> 2, Principal	VII VI	\$700	1892
Flora A. Burgess 2 . .	V IV	600	1894
Charlotte F. Mott . . .	III II	600	1886
Eliza H. Lunt	I	600	1890

BENNETT SCHOOL.

NAME	Grade.	Salary.	Beginning of Service.
<i>Mary B. Smith</i> , Principal .	III	\$675	1885
Isadore E. Taylor 3 . .	II	600	1883
Miriam Cavanagh 3 . .	I	400	1893

JACKSON SCHOOL.

NAME.	Grade.	Salary.	Beginning of Service.
<i>Annie E. McCarty</i> 3, Principal	III	\$675	1880
Annie E. Crimmings 3 . .	II	600	1884
Annie L. Savage 2 . . .	I	600	1873

PROSPECT HILL SCHOOL.

NAME.	Grade.	Salary.	Beginning of Service.
<i>Helen Tincker</i> 2, Principal	V	\$800	1872
Blanche Seabury 2 . . .	Kg.	500	1892

BEECH STREET SCHOOL.

NAME.	Grade.	Salary.	Beginning of Service.
<i>Ella M. Coops</i> , Principal .	III	\$625	1892
Florence B. Ashley 3 . . .	I	600	1887

CEDAR STREET SCHOOL.

NAME.	Grade.	Salary.	Beginning of Service.
<i>Lizzie A. Davies</i> , Principal	IV III	\$625	1893
M. E. Lacy 3	II I	500	1890

HARVARD SCHOOL.

NAME.	Grade.	Salary.	Beginning of Service.
Grace B. Tibbetts	I	\$500	1890

SPECIAL TEACHERS.

NAME.	Grade.	Salary.	Beginning of Service.
MUSIC.			
S. Henry Hadley . . .	9 — 6	\$1,333†	1869
Mrs. Gish Garwood . . .	5 — 1	800*	1891
DRAWING.			
Augusta L. Balch . . .	9 — 1	900*	1891
SEWING.			
Mrs. Charlotte M. Coffin .	7 — 4	600	1888
Mary L. Boyd	7 — 4	600	1888
PHYSICAL TRAINING.			
Blanche A. Bemis	9 — 1	600*	1894

*For three days' service. †For four days' service.

ASSISTANTS IN SERVICE DECEMBER, 1894.

NAME.	School.	Salary.	Beginning of Service.
A. Maude Emerson 3 . . .	Morse	\$425	1890
Florence S. Farnham . . .	Glines	200	1893
Mary H. Joyce 2	Highland	425	1891
Alice E. Morang 3	Burns	200	1893
Minerva L. Mills 3	Davis	200	1893
Frances M. Seymour 3 . . .	Prescott	425	1890
Emma L. Ward 2	Lincoln	425	1893
Ida B. Mason 3	Substitute	500	1893
Marjorie B. Hall 3	Lincoln		1894
Ethel Trask	Highland		1893
H. Belle White 3	Cummings		1894

34. — AMENDMENTS TO THE RULES OF THE SCHOOL COMMITTEE, ADOPTED SINCE 1891.

CHAPTER I.

Section 2. (Additional.) To the list of Standing Committees is added one "on the English High School."

CHAPTER IV.

Section 3. (Additional.) The Committee on Finance shall examine and approve the pay-rolls of all bills passed by the Board.

Section 11. (Additional.) The Committee on Salaries shall examine the pay-rolls of salaries of all persons in the service of the School Committee and approve such as are found correct.

CHAPTER VI.

Section 1. Changed so that Teachers and Truant Officers are to be elected at the April meeting of the Board.

Section 7. The district committees may at their discretion appoint assistant teachers in the primary and grammar schools having an average of over 56 pupils.

Assistant teachers in primary and grammar grades, without experience or Normal training, are paid for the

First year	.	.	.	.	.	.	.	Nothing
Second year	.	.	.	.	.	.	.	\$200
Third year	.	.	.	.	.	.	.	275
Fourth year	.	.	.	.	.	.	.	350
Fifth and subsequent years	.	.	.	.	.	.	.	425

Normal school graduates acting as assistants in primary or grammar grades are paid for the

First year	.	.	.	.	.	.	.	\$275
Second year	.	.	.	.	.	.	.	350
Third and subsequent years	.	.	.	.	.	.	.	425

An experience of at least 30 weeks shall be required to constitute a year's work.

Section 7. When an assistant who is not a Normal graduate becomes a regular teacher during the *first* or *second* year of service she shall receive \$300

During the third year of service 350

During the fourth year of service 400

During the fifth or any subsequent year of service 500

When an assistant who is a Normal graduate becomes a regular teacher during the first or second year of service she shall receive \$350

During the third year of service 425

During the fourth or any subsequent year of service 500

No assistant shall receive the maximum salary of \$600 as a regular teacher until she has served at least one year in the latter capacity.

Section 8. Salaried assistants shall receive no increase of pay for substituting.

In determining the pay of assistants or substitutes a single year at a Normal school shall be considered equivalent to a year of teaching experience.

In determining the pay of a substitute or of a regular teacher, graduation at a Normal school shall be considered equivalent to a year of teaching experience.

Section 9. Form of teacher's certificate of election.



CITY OF SOMERVILLE.

SCHOOL DEPARTMENT.

.189 .

M

At a meeting of the Board of School Committee held
, 189 , you were elected a teacher in the
 School, under the General Regulations of
 the Public Schools of Somerville, for the year ending June 30, 189 ,
 at an annual salary of..... dollars.

Should you decide to leave the service of the City before the end
 of the period for which you have been elected, a four weeks' notice
 of your intention will be expected.

Please fill the blanks below, affix your signature, detach the paper
 along the perforated line, and send it to the Secretary of the Board.
 If not received by him within ten days from date, the position will be
 considered vacant.

Respectfully,

Secretary of the Board of School Committee.

To the Board of School Committee of the City of Somerville :

Gentlemen, — I accept the position of teacher in the
 School, to which I was elected on the
 day of.....189 , under the Gen-
 eral Regulations of the Public Schools of Somerville, for the year
 ending June 30, 189 , at an annual salary of.....
 dollars.

It is my present expectation to continue in the service of the City
 to the end of the period for which I have been elected.

Signature,

.....

AMENDMENTS TO THE GENERAL REGULATIONS OF THE PUBLIC SCHOOLS.

CHAPTER I.

Section 3. April 19 is substituted for Fast Day as a school holiday.

Section 5. The Superintendent, at his discretion, may dismiss the schools when the weather is unsuitable.

The number 5 — 5 will be struck twice on the fire-alarm bells to indicate the omission of the next session of the schools, as follows: —

High Schools. — From April to November at 7. From November to April at 7.30.

Primary Schools. — At 8.05, 11.45, or 1. During November, December and January at 12.45 instead of 1.

Grammar Schools. — At 8.15, 11.45, or 1.15. During November, December and January at 1 instead of 1.15.

The morning signal shall be for the omission of the morning session only.

CHAPTER II.

Section 9. (Additional.) Principals of schools containing the Ninth grade shall be known as "Supervising Principals." They shall perform all the duties of principals as set forth elsewhere in these regulations. In addition to these duties they shall, at the request of the Superintendent, instruct classes, examine and grade pupils, and supervise the instruction of teachers in their own schools and in all other schools which are tributary to them.

Whenever a school is tributary to two or more higher schools it shall be under the charge of the Senior Supervising Principal, unless otherwise ordered by the District Committee.

Supervising Principals shall teach at least 12 hours per week, not less than 10 of which shall be in the highest grade.

Chapter V. The Middlesex County Truant School at Chelmsford is made the place of detention for truants by change in the city ordinances.

Chapter VI. is rendered nugatory by a change in the city ordinances.

35. — MASSACHUSETTS SCHOOL LEGISLATION OF 1893 AND 1894.

1893.

CHAPTER 108. — *Resolve to provide for the codification of certain statutes which the inspection department of the district police is required to enforce.*

Attention is called to these points : —

1. Section 7, chapter 48, of the Public Statutes, which appears among the school laws as published in 1892, is not in force.

2. The provisions of sections 24, 25, and 70, chapter 508, of the Acts of 1894, do not appear in the school laws as published in 1892. These sections read as follows : —

Section 24. No person shall employ or permit to be employed a minor under 14 years of age, or over, who cannot read and write in the English language, and who resides in a city or town in this Commonwealth wherein public evening schools are maintained, and is not a regular attendant of a day school, or has not attained an attendance of 70 per cent. or more of the yearly session of the evening school.

Section 25. Whenever it appears that the labor of any minor who would be debarred from employment under section 24 of this Act, is necessary for the support of the family to which said minor belongs, or for his own support, the school committee of said city or town may in the exercise of their discretion, issue a permit authorizing the employment of such minor within such time or times as they may fix : *provided*, such minor makes application to said school committee, or some person duly authorized by said committee, for such a permit before the opening of the yearly session of the evening school of said city or town ; and the provisions of said section 24 shall not apply to such minor so long as said permit is in force ; *provided, also*, that if such minor has been prevented by sickness or injury from attending said evening school, as provided in said section, the school committee shall issue to such minor the permit provided for in this section, upon the presentation of the following blank properly filled and signed : —

To the School Committee of the

I hereby certify that I have attended from to ;
 that said was sick or injured with ; and that said
 was not in suitable physical condition to attend evening school for the term
 of days. (Signed)
 (Dated)

Section 70. Any person who employs or permits to be employed a minor in violation of the provisions of section 24 of this Act, shall for each offence forfeit not less than fifty nor more than one hundred dollars for the use of the evening schools of such city or town.

3. The age and schooling certificate required by chapter 508 of the Acts of 1894 must certify to an attendance of 30 weeks instead of 20 weeks, as required by the law of 1888.

CHAPTER 208.—*An Act authorizing cities and towns to provide free evening lectures.*

Section 1. The school committees of cities and towns maintaining free evening schools are hereby authorized to employ competent persons to deliver lectures on the natural sciences, history and kindred subjects, in such places as said committees may provide.

Section 2. Said committees are hereby authorized to provide cards or pamphlets giving the titles and names of authors of books of reference, contained in the local public libraries, on the subject-matter of said lectures.

1894.

CHAPTER 151. *An Act relating to vivisection and dissection in the public schools.*

Section 1. No teacher or other person employed in any public school of this Commonwealth shall, in the presence of any scholar in said school or any child or minor there present, practise vivisection, nor, in such presence, exhibit any animal upon which vivisection has been practised.

Section 2. Dissection of dead animals or of any portions thereof, in the public schools of this Commonwealth, shall in no instance be for the purpose of exhibition, but shall be confined to the classroom

and to the presence of pupils engaged in the study to be illustrated by such dissection.

Section 3. Any person violating the provisions of this Act shall be punished by a fine of not less than ten nor more than fifty dollars.

CHAPTER 188.—*An Act relating to school attendance and truancy.*

Section 1. Every person having under his control a child between the ages of eight and fourteen years, and, in cities and towns where industrial training is taught, between the ages of eight and fifteen years, shall annually cause such child to attend some public day school in the city or town in which he resides, for at least 30 weeks if the schools are kept open that length of time, with an allowance of two weeks' time for absences not excused by the superintendent of schools or the school committee; such period of attendance shall begin within the first month of the Fall term of school, and for each five days of absence of any such child thereafter, in excess of the above allowance, before the completion of the required annual attendance of 30 weeks, the person having such child under his control shall, upon the complaint of the school committee or any truant officer, forfeit to the use of the public schools of such city or town a sum not exceeding twenty dollars; but if such child has attended for a like period of time a private day school approved by the school committee of such city or town, or if such child has been otherwise instructed for a like period of time in the branches of learning required by law to be taught in the public schools, or has already acquired the branches of learning required by law to be taught in the public schools, or if his physical or mental condition is such as to render such attendance inexpedient or impracticable, such penalty shall not be incurred.

Section 2. (This repeals everything inconsistent with section 1.) The provisions of section 1 of this Act have been incorporated in section 1 of chapter 498, Acts of 1894. In the codification the words "cities and towns where industrial training is taught" are omitted from the second and third lines, and in their stead are the words "every city and town where opportunity is furnished, in connection with the regular work of the public schools, for gratuitous instruction in the use of tools or in manual training, or for industrial education in any form, a child." In all other respects the language remains unchanged.

CHAPTER 320.— *An Act relating to instruction in the use of tools and in cooking in public schools.*

This Act provides that the use of tools and the art of cooking shall be taught, by lectures or otherwise, in all the public schools in which the school committee deem it expedient, and that wherever such instruction is given the tools, implements and materials required for such instruction may be purchased by the school committee at the expense of the city or town, and loaned to pupils, free of charge, subject to such rules as the committee may prescribe.

CHAPTER 471.— *An Act to provide for manual training in cities and towns of more than twenty thousand inhabitants.*

After the first day of September in the year eighteen hundred and ninety-five, every city of twenty thousand or more inhabitants shall maintain as part of its High School system the teaching of manual training. The course to be pursued in said instruction shall be subject to the approval of the State Board of Education.

CHAPTER 515.— *An Act relative to vaccination.*

Section 2 of this Act provides that "all children who shall present a certificate signed by a regular practising physician that they are unfit subjects for vaccination shall not be subject to the provisions of section nine of chapter forty-seven of the Public Statutes excluding unvaccinated children from public schools."

36. — RULES FOR SCHOOL JANITORS

ADOPTED BY THE COMMITTEE ON PUBLIC PROPERTY,
1894.

1. It shall be the duty of janitors to open and close their buildings every school day during the year.

2. To sweep the entries and stairways daily, after the last session of the school; the rooms, by Wednesday night, and again on Saturday of each week. The yards, out-houses, and basement are to be kept clean and in good order. The sanitariums flushed every day and left clean at night. Dust the furniture daily; the windows, blinds, walls and ceilings as often as necessary to keep them free from dust.

3. To clean the doors, wainscoting, and all other wood work, including seats and desks, during the summer vacation. The windows shall be thoroughly cleaned, outside and inside, three times in each year; once in the month of May, August, and October. The transoms, windows, and other glass inside of the building must be kept clean. The ink-wells shall be cleaned five times in each year, once in the months of August, November, February and May, and once at the request of the Principal, or five times in each year other than those stated above, at the request of the Principal.

4. To build fires when necessary, in season to have the rooms warmed to such temperature as the school committee shall direct at the time for opening the schools. Where stoves are used, fuel sufficient for the day must be carried to the several rooms.

5. To use the fuel economically. To screen the ashes and use the screenings on the fires.

6. To remove the ashes and all other debris from the cellars in order that the ashes and debris can be collected by the city once a week.

7. To remove the snow and ice from the door-steps and walks leading to the gates and outbuildings.

8. To keep the ice upon the sidewalks about the school buildings covered with ashes or sand.

9. To keep the grounds about the school buildings free from weeds and litter of all kinds ; also to sweep and keep clean all brick and concrete walks within the school limits.

10. Janitors of buildings heated by steam, or where there is any steam or hot water plant used for any purpose within the school-house or out-buildings, will be held responsible for the safety of the pipes from freezing. In extremely cold weather they must take unusual precautions, either by remaining during the night or until satisfied of the safety of the apparatus.

11. Janitors of buildings where furnaces are used shall remain by them while the draft-doors are open. It is not required that fires should be kept upon holidays, or during vacation, except enough to protect the apparatus, and also prevent damage being done by freezing.

12. Boilers shall be blown clean as often as once a month, and the tubes cleaned once each week. The safety-valve should be tried occasionally, and all other valves looked after and kept properly packed. Ashes shall be drawn from under the boilers and furnaces each day.

13. Janitors shall maintain a general supervision of the estates during vacation. When workmen are employed in the premises, or when fuel is received, they shall see that none of the property in the building is misused, and they will be held responsible for any property stolen, or damage done through their negligence.

14. Janitors are not required to act as messengers for Principals, or other instructors, but it is expected that they will be obliging in this respect, and that teachers will be considerate in requesting such service.

15. Substitutes for janitors must be approved by the Committee on Public Property.

16. Should the janitor neglect to perform his duty, the Principal, or other authorized instructor will notify the Superintendent of Public Buildings. If there is a continued neglect on the part of any janitor to perform his duties, the Superintendent of Public Buildings will report said janitor to the Committee on Public Property.

17. Janitors of all eight and twelve-room schools, in addition to the time required for the performance of regular duties, shall be in attendance at their buildings one-half hour before the opening of the

regular session, and remain one-half hour after the regular afternoon session, or as late as half-past four in the afternoon.

18. Janitors of other buildings will give as much of their time, in addition to the time required for the performance of their regular duties, as the Committee on Public Property shall direct, and must report to the Principal at some time during the school session of each day.

19. They will open their buildings evenings for school purposes and have them properly warmed when requested by the Superintendent of Schools, and at such other times as the Committee on Public Property may direct. They will remain in their buildings during the evening session, and before leaving, see that the buildings are secure against fire, and securely lock the windows and doors through which access may be obtained to the buildings.

20. It is understood that janitors in the performance of their duties are under the direction of the Superintendent of Public Buildings, and the Principals of the respective schools.

THOMAS R. ROULSTONE,

Superintendent of Public Buildings.

37. — BIOGRAPHICAL SKETCHES OF CITIZENS OF SOMERVILLE AFTER WHOM SCHOOLS HAVE BEEN NAMED.

CHARLES FORSTER was born in Charlestown, June 13, 1798, and died there September 1, 1866. He was engaged in mercantile pursuits until 1856, when he retired from active business.

He held many public offices in Charlestown, and was the Representative in the Legislature at the time the Convent was burned.

In 1845 he removed to Somerville and lived until 1863 at the corner of Sycamore street and Broadway. As a citizen of Somerville he was always interested in the public welfare. The city is largely indebted to him for the trees which now adorn the streets of Winter Hill. In 1854 the Forster School was named in his honor. One who knew him well said of him — “He occupied a place second to none in the hearts and affections of the people of Somerville, and left behind him a reputation which any man might envy — the reputation of a man who, by the purity of his life and character, his sweetness and kindliness of disposition, his unostentatious benevolence, the years of a long life devoted to charity towards the poor and suffering, had endeared himself to all who knew him, and grown deep into their hearts.”

LUTHER V. BELL, M. D., LL. D., was born in Chester, N. H., December 20, 1806. He was graduated from Bowdoin College before he had finished his seventeenth year. He received his medical degree from the Hanover Medical School. He early distinguished himself in the practice of his profession, particularly in surgery and in the treatment of the insane.

In January, 1837, he entered upon his duties as Superintendent of the McLean Asylum for the Insane, and for 20 years conducted the institution with rare ability and success. He was everywhere acknowledged as an authority on all questions connected with his profession.

He was always interested in whatever affected the welfare of Som-

erville, and was chairman of the School Board from 1843 to 1847. In 1850 he was a member of the Executive Council, in 1852 a candidate for Congress, and in 1856 for the office of Governor.

In 1856, in consequence of failing health, he retired from the McLean Asylum, and thenceforward resided in Charlestown.

In 1861, animated by an intense love of country, notwithstanding his feeble health, he offered his services to the State, and was commissioned as surgeon of the 11th Regiment of Massachusetts Volunteers. He engaged immediately in active service, being soon promoted to the post of Brigade Surgeon, and finally to that of Division Surgeon. As a result of exposure and the rigors of the service, after a brief illness, he died February 11, 1862.

"Thus, quietly and without ostentation, a life devoted to the cause of humanity and science was beautifully finished by a death in the service of his country."

By vote of the School Board on March 1, 1862, the primary school on Cherry street was named the L. V. Bell School in his memory.

In 1867 this school was closed, and in 1874 the school on Vinal avenue was named the Luther V. Bell School in his honor.

CHARLES SPRAGUE LINCOLN was born in Walpole, N. H., April 20, 1826. He was graduated from Harvard University in 1850. He taught school for a while after graduation, coming to Somerville for the purpose in 1852. He was admitted to the bar in 1860. He was Selectman and Solicitor for the town for many years. He served on the School Committee of Somerville from 1858 to 1867, and again from 1877 to 1883. He has twice represented the city in the Legislature and rendered valuable service on the Boards of Health and of Overseers of the Poor. The public library owes much of its success and development to his efforts as trustee. In his long career as a public official, during a residence of 40 years, he has contributed greatly to the prosperity of the city, and has won the respect and gratitude of his fellow-citizens by the honesty, the ability, and the fidelity displayed in the management of the trusts committed to his care.

In 1866 the Lincoln School, then located on Elm street, and now on Clarendon Hill, was named in his honor.

CLARK BENNETT was born in Londonderry, Vt., Nov. 3, 1810. His ancestors were among the early settlers of Groton, Mass. His grandfather, David, early joined the Continental army, and served in the siege of Boston. Mr. Bennett was the eldest son of nine children.

When he was 21 years old he settled in Somerville, then Charlestown, where for 25 years he successfully carried on the brick business, then a leading industry of the town. Later he followed the insurance business.

Mr. Bennett's actions on all public matters requiring his attention were controlled by a conscientious desire to do right, as well as a full knowledge of the requirements, present and future, of our growing city. The abatement of the Miller's River nuisance, the inauguration of an excellent sewerage system, more especially for West Somerville, the widening and grading of Somerville avenue, and the construction of the public Park, all bear witness to his unremitting efforts to place Somerville on a par with her sister cities.

The record of Mr. Bennett's official service includes 11 years on the School Committee, a part of the time its chairman, the town treasurership, and three years' service on the Board of Aldermen.

Mr. Bennett died Jan. 6, 1882.

The Bennett School was named in his honor by vote of the School Board, April 8, 1868.

ENOCH R. MORSE was born in Attleboro, July 25, 1822. He established himself in business in Boston in 1839, removing to Somerville in 1852.

He took an active part in town affairs and was elected a member of the School Board in 1864. He held the position nine years, until after the incorporation of the city, and by his literary attainments and business experience was influential in promoting the educational interests of the town. He represented the city in the Legislature in 1876.

So highly were his services appreciated by the town government that his name and memory were perpetuated in the Morse Grammar School, erected in 1869 on Summer street, while on the records of four other schools he appears as having been chosen to deliver the poem at the dedicatory exercises.

JOHN S. EDGERLY was born November 30, 1804, at Meredith, N. H., and like many another, early left his home in the country to get a better living in the city of Boston. About 1836 he moved to Winter Hill, then a part of Charlestown. He was always interested in public affairs, and was one of five who were instrumental, by their earnest zeal, in having what is now Somerville set off from Charlestown as a separate town. He was for 14 years one of the Board of Selectmen and most of that time its chairman.

He served on the School Board and as an Overseer of the Poor in those early days, and "no night was too dark or road too bad for him to fail to start with his lantern and shovel to break out any place that his horse could not go through, whenever there was need."

He died January 20, 1872. The Edgerly School, named in his honor, was established in 1871.

JOSHUA H. DAVIS was born at Truro, November 4, 1814. He was educated in the schools of his native town and at the 'Teachers' Seminary, Andover, graduating in 1838. From 1840 to 1854 he was Principal of the Truro Academy, resigning on account of failing health. He was afterward secretary of the United States Insurance Company for nine years. In 1854 he took up his residence in Somerville, and was for 25 years identified with the educational interests of our city. He was a member of the School Board for three years and was elected Superintendent of Schools in 1866, a position which he filled with great ability for 22 years. He resigned in 1888, honored and beloved by the entire city. He was a member of the Legislature in 1889 and 1890.

No man has had greater influence in shaping and elevating our public school system, or has rendered more efficient service in promoting the educational, the moral, and the religious interests of our people. The purity and nobleness of his character as a christian gentleman endear him to the thousands who have known him in private and in public, and make his life an inspiration and a model.

The Davis School, on Tufts street, was named for him in 1884.

JOHN ADDISON CUMMINGS was born in Nelson, N. H., January 16, 1838. His early education was obtained in the common schools of his native town and the Scientific and Literary Institute in New Lon-

don, N. H., where he remained two years, teaching school during the winter. He then began the study of law and continued it until the war broke out, when he was among the first to enlist. He was commissioned a lieutenant in the 6th New Hampshire Volunteers at the age of 23, and served three years in that regiment in the Army of the Potomac and in the West. He was then made major of the 1st N. H. Cavalry and served with Sheridan until the close of the war. After spending two years at the West he returned to Boston, and entered the printing business in 1867.

He took up his residence in Somerville and became the publisher of the *Somerville Journal* in 1871-72. In 1874 he was elected to the Legislature and served two years. He was a member of the Board of Aldermen in 1877 and 1878.

In 1881 he was elected Mayor, which office he held for four consecutive years. His record in this capacity reflects great credit upon him. He was faithful, courteous, and painstaking, at the same time fearless and justly conservative in municipal affairs. He died January 6, 1887.

"The lesson of his life stands out to every young person, whatever his condition or circumstances, 'Will to be right and God will help you to gain your aim.'"

The Cummings School was built during his mayoralty, and named for him in 1884.

MARK F. BURNS was born at Milford, N. H., May 24, 1841. He comes of good old New England stock, and his parents were among the earliest of the anti-slavery agitators. He spent his early life on his father's farm, and obtained his education in the public schools of his native town, and at the Appleton Academy in Mt. Vernon, N. H. He taught school for four years, coming to Boston in 1866 and engaging in the milk business. He soon became a milk contractor, and the Treasurer of the Boston Dairy Company, which handles the product of 800 farms along the line of the Fitchburg Railroad and its branches.

In 1873 Mr. Burns removed to Somerville, and very soon became an influential factor in municipal affairs. He was a member of the Common Council in 1880 and 1881, the latter year its President, and a member of the Board of Aldermen in 1882 and 1883. He was Trustee of the Public Library in 1884. He was Mayor of the city for

four years, from 1885 through 1888. His administration was characterized by the same vigor, earnestness, and sterling integrity always displayed in the conduct of the important business interests committed to his charge.

Mr. Burns has been Secretary of the Mayors' Club of Massachusetts since its organization, with the exception of a single year. He is a Director in the Monument National Bank and a Trustee in the Five Cents Savings Bank of Charlestown, and has filled many other important stations of trust and responsibility.

Mr. Burns has always enjoyed the confidence of his fellow-citizens and has discharged the public duties devolving upon him in such a way as to secure their approbation and respect.

The Burns School on Cherry street was built in 1886, during his mayoralty, and named in recognition of his services.

NORMAN WILLIAMS BINGHAM was born in Derby, Vt., May 19, 1829, and educated in the public schools and in the academies at Derby and St. Johnsbury, Vt. He studied law at Irasburgh, and in 1855 was appointed Clerk of Orleans County Court, and thus became *ex-officio* Clerk of the Supreme Court and the Court of Chancery as well. During the war for the Union he held several important places of trust, both State and national, and his services were of great value to the country.

In 1866 he was made special agent for the United States Treasury Department, and three years later was placed in charge of the customs revenue district of New England, comprising 32 collection districts. He held this important position till 1885, and discharged its arduous and exacting duties with great ability and fearless independence. His experience and influence led to the modification and improvement of the customs laws and to a marked increase in the efficiency of that department of public service. He was offered other positions of great responsibility under the government, but for personal or family reasons declined them.

Mr. Bingham removed to Somerville in 1869, and has always been influential in furthering the interests of the city. He was elected to the School Board in 1880 and served without interruption for 15 years. His labors in connection with schools have been marked by a discriminating regard for their interests and by constant effort to secure their

advancement. No more emphatic recognition of the value of his services, and no stronger evidence of appreciation could be given than the act of the City Government in naming the school on Lowell street, erected in 1886 and enlarged in 1894, the Bingham School, in perpetuation of his name and memory.

ORÉN S. KNAPP was born in Boston, July 16, 1829. At the age of six he removed to Malden and was educated in its schools, beginning to teach at the age of 17. He entered Amherst College, but at the end of two years was obliged to relinquish his course on account of a trouble with his eyes. He taught two years in Medford, and was elected Principal of the Prospect Hill School, in Somerville, then the most important school in this vicinity, in 1853. He was a faithful and efficient teacher for 11 years, relinquishing his position for the practice of law in 1865. He was chosen a member of the School Board in the same year, and served at intervals for 15 years, one year of the time as Superintendent of Schools. He died suddenly, November 4, 1890.

Mr. Knapp was one of Somerville's foremost citizens, always interested and prominent in every movement to advance its interests, fearless and independent in the expression of opinion and in action, wise in counsel, kind and sympathetic and helpful as a friend, loyal and devoted as a citizen, respected and loved by all who knew him.

The O. S. Knapp School on Concord avenue was opened in 1890, and named in his honor.

JACOB T. GLINES was born in Moultonborough, N. H., July 20, 1817. He removed to Somerville in 1836. He was always identified with the prosperity of Somerville as town and city. He was a member of the last Board of Selectmen, and chairman of the first Board of Aldermen. He was for several years thereafter connected with the city government, and represented the city in the lower branch of the Legislature. He died August 3, 1882.

Mr. Glines was engaged in manufacturing and mercantile pursuits, and in business as in public life, was distinguished for his sterling integrity, excellent judgment, and strength of character. In recognition of his services to the city the Jacob T. Glines School was named in 1891.

CHARLES GREENWOOD POPE was born in Hardwick, November 18, 1840. He was educated in the public schools of Hyannis, Pierce Academy, Middleboro, and Tufts College, being graduated in 1861. He taught school at Hyannis till 1864, when he became Master of the Forster Grammar School. He resigned in 1870 to take the principalship of the Bunker Hill School, Charlestown, where he remained till 1874, leaving for the practice of law.

Mr. Pope was a member of the first city government, and President of the City Council in 1873, being *ex-officio* member of the School Board. In 1876 and 1877 he represented the city in the Legislature. He was appointed special justice of Somerville police court in 1878. He was Mayor of the city in 1889, 1890, and 1891. During his last year of office the Charles G. Pope School on Washington street was completed and named in his honor. It stands as a monument to his memory, and to his deep interest in the welfare of the public schools.

"He will always be gratefully remembered as one who served his city well, and with an eye single to the public interest. Dignified, honest, incorruptible, his character, either in private or public life, was never tainted by even the breath of suspicion."

REV. GEORGE W. DURELL was born at Kennebunkport, Me. He was graduated from Bowdoin College, and at once became the Principal of Limerick Academy. After teaching four years he entered the Theological Seminary at Alexandria, Va., to prepare for the ministry. He was ordained at Brunswick, Me., by Bishop Burgess.

He was settled at Calais, Me., for 11 years, serving all the while upon the School Board of the city. Leaving Calais he was for several years rector of Grace Church at Bath.

In 1866 he removed to Somerville, and was for three years the rector of Emmanuel parish. Since 1869—for more than a quarter of a century—he has been the esteemed and honored rector of St. Thomas's parish.

For 13 years Mr. Durell served upon the School Board of Somerville, for the duties of which he was admirably fitted by nature, by education, and by experience. His quick and ready sympathy with children and with teachers, and his willing response to calls for advice and assistance made him always a welcome visitor to the

schoolroom. Owing to the demands of his profession he was obliged to decline a re-election, much to the regret of the constituency for whom he had so long rendered such valuable service.

In 1894 the school on the corner of Beacon and Kent streets was named the George W. Durell School, in recognition of his labors in behalf, not only of education, but of every cause having for its object the welfare and improvement of our city and its residents, young and old.

REPORT
OF THE
TRUSTEES OF THE PUBLIC LIBRARY

CITY OF SOMERVILLE.

IN BOARD OF ALDERMEN, January 30, 1895.

Referred to the Committee on Printing, to be printed in the Annual Reports.
Sent down for concurrence.

GEORGE I. VINCENT, *Clerk*.

IN COMMON COUNCIL, January 30, 1895.

Referred to the Committee on Printing, to be printed in the Annual Reports,
in concurrence.

CHARLES S. ROBERTSON, *Clerk*.

BOARD OF TRUSTEES AND OFFICERS
OF THE SOMERVILLE PUBLIC LIBRARY, YEAR ENDING
DECEMBER 31, 1894.

TRUSTEES.

CHARLES S. LINCOLN.	CHARLES H. BROWN.
J. HENRY FLITNER.	ELIJAH C. CLARK.
CHRISTOPHER E. RYMES.	JOHN B. VIALI.
JAMES E. WHITAKER.	CHARLES A. WEST.
J. FRANK WELLINGTON.	

OFFICERS.

CHARLES S. LINCOLN	. . . . .	<i>President.</i>
JOHN S. HAYES	. . . . .	<i>Secretary.</i>

COMMITTEES.

BUILDING AND GROUNDS.—Rymes, Viall, Brown and Wellington.
ADMINISTRATION.—Whitaker, Wellington and Clark.
BOOKS AND CATALOGUES.—Lincoln, *ex officio*, Rymes, West, Viall,
and Brown.
FINANCE.—Flitner, Clark, and Whitaker.

LIBRARIAN.

JOHN S. HAYES.

ASSISTANTS.

ANNA L. STONE.

MARY J. WARREN.

CATALOGUER.

F. MABEL NORCROSS.

RECEIPTS AND EXPENDITURES FOR 1894.

CREDIT.

Balance from 1893	\$ 23.36
Appropriation	6,500.00
Dog Licenses	2,710.90
Fines	320.82
Catalogues	12.40
	<hr/>
	\$9,567.48

DEBIT.

Books and Periodicals	\$3,287.83
Binding	766.67
Covers \$68.41, Cards \$30.40	98.81
Printing, \$67.35, Postal Cards, \$30.00	97.35
Stationery	52.79
Salaries, Administrative department	3,086.87
“ Cataloguing department	526.00
Branch office	100.00
Book Case and Furniture	140.38
Repairs	205.24
Express	184.20
Electric Lighting	403.18
Gas	4.99
Gas Fixtures	29.90
Water	29.00
Fuel	176.21
Insurance	142.50
Fireproof Safe	72.50
Disbursements	66.86
Picture Frames	24.42
Postage	31.00
Speaking Tubes and Telephone	19.10
Placque and Frame	9.00
Rubber Stamps	3.13
Balance to 1895	9.55
	<hr/>
	\$9,567.48

CITY OF SOMERVILLE.

TO THE CITY COUNCIL OF SOMERVILLE : —

Gentlemen,—As Trustees of the Public Library, we beg leave to give to your honorable Boards the following report : —

The work entrusted to us has needed and received sedulous care. We are more than ever impressed with its importance. As our city enlarges its prosperity, and its population multiplies, the public library has increased usefulness and breadth of influence. It has been our aim to improve all facilities for its wider and more practical use, so that our fellow-citizens of every age and in every walk of life might gain from it those advantages it was designed to furnish.

It is well known that ours is an unclassified library. As such it has subserved a useful purpose. But as the number of its volumes increases it becomes more apparent that many choice and valuable books do not become generally known to its patrons. This fact has become of such grave importance that during the past year we have very largely given our strength to a new and more accessible classification of the entire library. Such a classification, if it be complete and judicious, not only as to topics but also as to titles and authors, will enable those who wish to consult the library, to do so much more readily than at present. Connected with this classification it is proposed to inaugurate a careful system of cross references, by which the object of search will be more easily found. All this cannot be done without considerable labor and expense. But the value of the result will more than warrant the outlay. Much delay in the delivery of books will be avoided, and thus the convenience of the public better served. History, biography and fiction, being more frequently called for, will be placed near the delivery desk, and thus a more perfect distribution of books can be made. This system has been employed in other libraries with a very considerable saving of labor and time.

In connection with the new system of classification and delivery

of books, we have introduced information slips; and propose to give larger facility in the use of reference books, to make the reading room more complete, and to allow, with suitable restrictions, persons engaged in special or professional investigations freer range in taking books from the library.

At all times the librarian and his assistants will be ready to make suggestions, and give help to those who may seek to know what books are accessible for the study of any particular topic. This will make a legitimate use of the library more complete, since those who have especially to do with books may be justly supposed to know, in some general way at least, what they contain.

Just at this point, it is an interesting fact that the number of books added to the library during the past year, both by purchase and donation, surpasses that of any other year. Some of these books are of great value.

The use of the library by the public at large is steadily on the increase. The number of books taken out for home use the past year exceeded 106,000.

This enlargement of the library in the number of its books, and in the use of them, demands larger space, or a new method of shelving. Very careful attention has been given to this matter, and after much painstaking consideration, it was concluded that the present shelving room be changed into a stack room. This would add very largely to the book capacity of the room, and as the books would necessarily be more compact, the labor of reference and delivery would be very much lessened. It has been a source of great gratification that when the matter was brought to the attention of the city government, the response was so immediate and liberal that steps were taken at once in preparation for the much-needed change.

All this necessitates enlarged appropriations for the library. But it is confidently believed that our citizens will readily endorse any action which, in giving them better accommodation, will further the interest of all concerned.

It must be expected that as the library grows the expense of maintaining it must increase. The public should take pride in the fact that the growth of the city means not only material prosperity and additions to the census list, but growth in intellectual vigor and capacity.

It is a fact that is everywhere noticeable, especially in our larger towns and cities, that the citizens are not content with the meagre facilities and cramped space once deemed sufficient, but with larger and more generous views, erect substantial and commodious library buildings. As the poet sings, "The thoughts of men are widened with the process of the suns."

Not only do cities and towns appear to vie with each other in erecting buildings for the better accommodation of the volumes that crowd the shelves, but the buildings to a large extent encourage sculpture and art, and provide quiet and sheltered alcoves where the student may consult such works, as under ordinary conditions could not be conveniently used.

Yet, let it be said, that while public libraries have come to be considered as institutions of large educational value, it is nevertheless true that in many instances they are not used to the extent they should be. We venture to suggest that the teachers of our public schools would further the interests of education in this city to a well-nigh incalculable extent, if they would bring the school into closer contact with the library. If the teachers and the friends of our free public school system would make a study of our library, they would learn without difficulty that the studies in the schools would become more interesting and valuable if the scholars were induced to read books our library could furnish, which bear more or less directly upon their studies. In making this suggestion, without the slightest purpose to interfere with the judgment of those who have the interests of our public schools especially in their charge, we venture to add, in our own behalf, what we deem to be of great importance.

There can be no question but that every institution has its own peculiar influence, character and possibility. There are few organizations that deserves more serious consideration than the public library, and it may be added that few are more beset with perplexities. The public library of any age marks the civilization of that age.

It is impossible for us to guard this trust given into our hands too cautiously, neither can we fulfil the duties it brings with it without constant study of its character and needs. Let it be understood that a well-equipped public library is not a mere collection of books. It must be a reservoir of general literature, embracing history, philosophy, science and art. The books to be selected must be such as

shall suit the old and the young, those who seek instruction, and those who wish only entertainment. The library is for the *public*, and must fit the conditions of the public need, not of any class or age. Its range must be as comprehensive as its resources will permit. Only thus can it be educational in the finest, truest sense of that word. Its first aim should be to encourage a taste for reading, and then guide that taste till the mere reader becomes a student, for reading is not so important as thought. Mere reading tends to mental dissipation. It is opium by which to get unreal visions, and so forgetfulness. It soothes to languor; it gives lassitude for energy; it forgets the real world to create another which is only a mirage. Yet all taste for literature must begin from the habit of reading, and that habit should be cultivated among the young. Just here arises serious perplexity. That is, to find books that will interest and yet not be mischievous. Perhaps in no other department of the library has more conscientious scrutiny been exercised than in the selection of works of fiction. In this class of literature this age is remarkably prolific. Yet, however critical the care in examining the books themselves, and in passing judgment on the opinion of those who write reviews and book notices, it is exceedingly difficult to determine in every instance as to the merits or demerits of every book. Then again, there must be some latitude in deferring to the opinions of those who are certainly competent to judge in other matters, and who might desire a class of works which would be representative of different phases of thought, or faith, or life. The stream of life never rises higher than its source. Nevertheless, books may be, will be admitted which are not profitable to all.

Here it may be said that much may be left to the discretion of our librarian. Nevertheless, this must not be altogether relied upon. While it is doubtless true, that large responsibility rests upon those into whose hands the library has been entrusted, for breadth and comprehensiveness, so that all topics may be fairly represented, and while it is also true that such responsibility embraces the literary style, power, and intellectual and moral character of those books classed as "light literature," yet it cannot be too emphatically stated that this does not relieve the parent or guardian from determining the range of reading children should have. All books are not for all people. The literature of one century may invite the studious attention of a scholar, and yet be by no means suitable for the school or the home.

The board of trustees and the librarian must exercise diligent care that the selection of books be wise and wholesome ; but this must not be held to excuse the parent, guardian or teacher from his or her responsibility. Our children and youth must be as carefully restrained and directed in the use of the books of the public library, as in any other direction. Look out for the springs of life that the stream may run clear. It should never be forgotten that the real germ is hidden in the bud. The child holds the possibility of what shall be the man or woman.

It will be found that the report of our librarian, John S. Hayes, has peculiar interest, in view of what we have already stated, and we incorporate it as a part of this report, as it gives an admirable *résumé* of the condition, growth, aims, possibilities and needs of the library, and the work that has been carried on by him since his election. It contains much valuable information and, in connection with his last report, gives a history of the library from its origin to the present time.

The trustees are pleased in being able to say that the work of our present librarian promises to be of very great value to the community. He has been assiduous in his labors, and untiring in his zeal. We are pleased also to add, that his assistants have creditably co-operated with him and have discharged their duties with great fidelity.

Respectfully submitted,

CHARLES S. LINCOLN, *Chairman.*

January 28, 1895.

REPORT OF THE LIBRARIAN.

TO THE TRUSTEES OF THE SOMERVILLE PUBLIC LIBRARY:—

Gentlemen,— In compliance with your by-laws, it becomes my duty to place in your hands this, my second report, as the twenty-second annual report of the librarian, covering the operations of the library for the year 1894.

The library has received the generous support of the city government and the public, and has responded to all calls made upon it, as best it could under the circumstances. It is a pleasure to record the fact that the circulation of books has been greater the past year than in any other year since the library was established, notwithstanding the fact that for the first time in its history the figures representing its circulation during the last six months mean actual circulation, without the addition of renewals, whereas up to that time every book renewed, counted as being taken out *twice*, when as a matter of fact it had left the library but once.

STATISTICS.

The whole number of books placed in the library since it was founded in 1872, as recorded in the Accession Catalogue, is 27,729 — and the number worn out, lost, and withdrawn, as nearly as can be ascertained, during this same period has been 2,592 volumes, making the number of books in the library at the present time, 25,137. This does not include many volumes in the public document room, nor about 1,000 volumes in the duplicate room, which have never been entered in the Accession Catalogue, but are available in exchange for books needed, and for replacement.

During the year you have added 2,860 volumes, while 146 have been worn out, lost, or withdrawn. Of the number added, 216 volumes were from donations, and 2,644 volumes by purchase and

binding of serials. The number added during the year exceeds by over 1,000 volumes the number added during any other year since the library was opened to the public.

It may be of interest to note the additions of books to the library each year since it was started, as found recorded in the Accession Catalogue. These figures denote the *total* accessions, and include the volumes worn out, lost, or withdrawn.

The library was open to the public May 1, 1873, with 2,384 volumes on its shelves.

	Added Each Year.	Accession No. Dec. 31, of Each Year.
Volumes May 1, 1873 . . .	2,384	
Added during 1873 . . .	1,251	3,635
“ 1874 . . .	1,027	4,662
“ 1875 . . .	573	5,235
“ 1876 . . .	602	5,837
“ 1877 . . .	853	6,690
“ 1878 . . .	749	7,439
“ 1879 . . .	515	7,954
“ 1880 . . .	660	8,614
“ 1881 . . .	668	9,282
“ 1882 . . .	770	10,052
“ 1883 . . .	913	10,965
“ 1884 . . .	859	11,824
“ 1885 . . .	964	12,788
“ 1886 . . .	1,150	13,938
“ 1887 . . .	1,165	15,103
“ 1888 . . .	1,846	16,949
“ 1889 . . .	1,346	18,295
“ 1890 . . .	1,817	20,112
“ 1891 . . .	1,432	21,544
“ 1892 . . .	1,648	23,192
“ 1893 . . .	1,677	24,869
“ 1894 . . .	2,860	27,729
<hr/>		
Total number Dec. 31, 1894 . .	27,729 volumes.	

It will be noticed that during the first five years there were added an average of 861 volumes each year; during the next five years an

average of 672 volumes each year; during the third period of five years, an average of 1,010 volumes each year, and during the fourth period, an average of 1,618 volumes each year. In the year 1893, 1,677 volumes were added, and the present year, 2,860 volumes.

As the city increases in population, and the volumes become worn out, it will be absolutely necessary to increase the annual additions if the usefulness of the library remains unimpaired.

The library has been open to the public 304 days during the past year, and 106,341 books have been given out for home use, a daily average of 350. The largest number given out in one day was April 14, 1,062. The largest number in one month was in April, 12,505; the smallest number was in August, 6,525.

There were distributed through the agency in West Somerville, 8,229 volumes, and by the East Somerville agency, 5,100 volumes.

The number of library cards in use at the present time is about 5,538, of which 923 have been issued during the present year.

VALUABLE ADDITIONS.

Among the more costly books added to the reference library are :
Old Colony Historical Society collections. Complete, 14 vols.

Maine Historical Society collections. Complete, 8 vols.

Connecticut Historical Proceedings. Complete, 3 vols.

Contributions of the old residents of Lowell. Complete, 5 vols.

Duneker's History of Antiquity. 5 vols.

History of the 13th regiment Massachusetts Volunteers.

“ “ 52d “ “

“ “ 54th “ “

Adj. General's Report of N. H. during the Rebellion. 6 vols.

Modern Machine Shop Practice. 2 vols.

Acts and Resolves of Mass., 1781-1785. 4 vols.

“ “ “ Bay Colony.

Scribner's Statistical Atlas U. S.

Shaler's U. S. of America. 2 vols.

Map of American Politics.

Cushing's Anonyms. 4 vols.

Catalogue Boston Athenæum. 5 vols.

Journals of Washington. 3 vols.

Bartlett's Concordance of Shakespeare.
 Bradshaw's Concordance to Milton.
 Allen's American Book-Plates.
 History of Suffolk County. 4 vols.
 Dictionary of National Biography, A-N. 40 vols.
 History of the First Maine Cavalry.
 Portraits in Plaster.
 America's Wonderland.
 Larned's History for ready reference. 5 vols.
 Bradford's History of Mass.

For general circulation we have added :

Bagehot's Complete Works. 5 vols.
 Hospitals, Dispensaries and Nursing. Ed. by Billings and Hurd.
 World's Parliament of Religion.
 Conversations of Lord Byron.
 Dillon's Laws and Jurisprudence of England and America.
 Thomas Jefferson's Works.
 Curtis's Orations and Addresses.
 Hittell's Mankind in Ancient Times. 4 vols.
 Mrs. Green's Town Life in the XV. Century. 2 vols.
 Letters of Harriet Countess Granville.
 Porcupine's Works. Complete, 12 vols.
 Spark's Diplomatic Correspondence. 19 vols.
 Abraham Lincoln's Complete Works. 2 vols.
 Conway's Climbing the Himalayas.
 Wharton's Diplomatic Correspondence of the American Revolution.
 6 vols.
 Memoirs of Edmund Ludlow. 2 vols.
 History of Trades Unionism.
 Wilson's Cyclopædia Photography.
 The Industries of Russia. 5 vols.
 Memoirs of Baron de Meneval. 3 vols.
 Didon's Life of Christ. 2 vols.
 Bonney's Story of One Planet.
 Studies in Historical and Political Science. 25 vols.
 Cambridge Bible for Schools, with notes. 35 vols.
 Glacial Geology of Great Britain.

Masson's Napoleon at Home.
History of England under Henry IV.
Memoirs of the International Congress of Anthropology.
Flammarion's Popular Astronomy.
Geology, Chemical, Physical and Strategraphical.
Erman's Life in Ancient Egypt.
Simcox's Primitive Civilization. 2 vols.
American Journal of Microscopy. Complete, 10 vols.
Appleton's Journal. Complete, 24 vols.
Our Young Folks. (Magazine). Complete, 9 vols.
Andover Review. Complete, 19 vols.
Review of Reviews. (From the beginning.)
Cosmopolitan Magazine.
Gleason's Pictorial Magazine.

DONATIONS.

During the year the library has received as gifts 1,492 bound volumes, 713 pamphlets, 1,399 numbers of periodicals, and one picture. Of the bound volumes received, we have entered in the Accession Catalogue and placed on the shelves of the library *only* 216 volumes, as it was decided best to reserve these books for the new classification, as the time of the cataloguers could be more profitably employed on the books now in the circulating library, and, besides, the shelf room available in the main room was needed for the new books.

The Boston Public Library presented 1,150 volumes from its duplicates, among which were many rare and valuable books. Charles S. Lincoln, Charles A. West, and Charles H. Brown, of the Board of Trustees, have each given many books and periodicals, which will aid us in completing our sets of books and magazines. Dr. Eben Jackson presented a fine copy of "Schools and School Boys of old Boston," and the Somerville Journal Company, 58 bound volumes, 38 pamphlets, and 104 periodicals; Geo. O. Proctor, 26 volumes, and P. M. Harwood, a fine large photograph of a part of the "Ancient Earthworks of Somerville," richly framed, which can be seen in the Americana room. The heirs of the noted historian, the late Francis Parkman, presented to this library his copy of the Boston Athenæum

library catalogue, in two large volumes, a work of intrinsic value, which will be highly prized, coming as it does from Mr. Parkman's private library, and containing his autograph.

LIST OF DONATIONS.

	Vols.	Pamph.	Periodi- cals.
Adams, Mrs. Lucy M.			12
American Citizen			32
Ames, Geo. A., Lowell	1		
Amherst College		7	
Bohemian Voice			12
Boston Public Library	1,150	2	14
Bingham, N. W.	1		
Brigham, C. H.		180	
Broadway Central Hotel, N. Y.		1	
Brooklyn Public Library			1
Brooks, E. S.	2		330
Brown, C. H.	75	248	
Brockton Enterprise		1	
Cambridge Public Library		1	
Carpenter, A. F.	1		
Chicago Public Library		1	
Christian Register			52
Cilley, J. P.		2	
Cincinnati Public Library		1	
Citizen Publishing Co.			52
City of Somerville	1		
Clerc, P. M.	1		
Clinton Public Library		1	
Crane, D. F.	1		
Danvers Peabody Institute		1	
DeCosta, Rev. B. F.	2	7	
Dike, Rev. S. W.		2	
Dover Public Library		1	
Duddy, Robert	1		
Eaton, Clifford			20
Ellinger, William, Va.		1	
Elliot, C. D.	2	2	
Elliot, Miss Mary E.	1		
Ewing, Thos., N. Y.		1	
Fall River Public Library		1	
Field, Mrs. L. A.			12
Young People's Society Christian Endeavor, First Uni- versalist Church			64
Fitchburg Public Library		1	
Flint, Warren F.	10		
Folsom, Channing	1		
Free Library of Philadelphia		1	
Galpin, Mrs. Barbara		4	
Giles, Jos. J.	4		
Glines, A. W.			12

LIST OF DONATIONS.—*Continued.*

	Vols.	Pamph.	Periodicals.
Gordon, Geo. A.		1	1
Grand Rapids, Mich., Board of Trade		1	
Green, Dr. S. A.		2	
Hallet & Davis	1		
Harvard College	1		
Harwood, P. M., "Ancient Earthworks of Somerville," picture and frame.			
Hawes, F. M.	1		
Hayes, J. S.	7	2	
Hayes, Miss L. Y.	1		
Hills, Thos.		1	
Home Market Club		10	12
Hunnewell, J. F.	1		
Indian Rights Association		1	
Jackson, Dr. Eben	1		
Jones, Wm. P.		6	
Kelsey, E. E.		2	
Kimball, F. M.	5	3	
Lancaster Public Library		1	
Lincoln, C. S.	10		245
Lodge, Hon. H. C.	14		
Los Angeles Public Library		4	
Lynn Public Library		1	
McCall, Hon. S. W.	1		
Mairnonides Library, N. Y. City		1	
Malden Public Library		1	
Mass. Convention of Universalists		1	
Mass. Society Prevention of Cruelty to Animals	1		
Medford High School Association		1	
Melrose Public Library		1	
Merriam, Miss M. B.			12
Milwaukee Public Library		1	
Mt. Holyoke College		1	
National Civil Reform League		1	
Newark Public Library	2		
N. H. State Library	1		
New London Public Library	1		
Newton Public Library		1	
New York Teachers' College		2	
North Adams Public Library		1	
Osgood, Warren	1		
Otis Library, Norwich, Conn.		1	
Parkman, Francis, heirs of	5		
Pattee & Co., Los Angeles, Cal.		8	
Peabody Institute Library		1	
Portland, Or., Public Library		2	3
Pratt, R. D.	2		
Prince Society, Boston		2	
Proctor, Geo. O.	26		
Redwood Library, Newport		1	
St. Louis Mercantile Library		1	

LIST OF DONATIONS.—*Continued.*

	Vols.	Pamph.	Periodicals.
Salem Public Library		1	12
Sanborn, Miss H. J.	1		
Sanford, P. B.	1		
Scranton Public Library		3	
Seaver, E. P.	1		
Springfield Public Library		1	12
State of Massachusetts	34		
State Supt. of Schools, Wis.		1	
Stone, E. A.	4		
Socialist Annual		1	
Somerville Journal Co.	58	38	104
Somerville Y. M. C. A.		6	
The People, New York			16
Thompson, B. F.	1		
Thomson, John, Phila.		1	
Travellers' Insurance Co.			12
Trustees for children of Shalem, Doña Anna, New Mex.	1		
Trustees Public Reservation		1	
Tufts College		5	
Tuftonian, Tufts College			15
Union Pacific Railroad	1		
United Societies. Manifesto			12
United States Government	32	120	
Vincent, Geo. I.	3	1	
Watertown Public Library		1	
Wellington, J. F.	2		
Wentworth, T. S.	1	1	
West, C. A.	12		250
Winship, Geo.		1	
Woods, H. F.	1		
Worcester Public Library	3		80

I would again repeat what was said in my last report, "It is hoped that the example set by these generous donors will be followed by others, and that many books, pamphlets and periodicals that are now lying unused in many a household will be sent here, and either be put into circulation, or, if they should be duplicates of those we now have be exchanged by us for books we need."

NEW STACK ROOM.

At a meeting of the Board of Trustees of this library, held April 30, it was voted:—"That the Committee on Buildings and Grounds and the Librarian be authorized to obtain plans, specifications, and

estimates for changing the book room into a stack room, and report to this board." This committee, after visiting other libraries, thoroughly studying all the questions involved as to the present and future needs of the library, and the prospective enlargement of the building at no distant day, invited three leading firms engaged in the manufacture of library stacks, to submit plans embodying the ideas which the committee had in view, namely : To make the present book room into a stack room capable of holding at least 60,000 volumes, and so constructed that it would be equally available in the building as now constructed and used, or in that reconstructed building that must come in the future, when adequate provision is made for the work this library should do, as outlined in last year's report.

This committee made their report at a meeting held June 2, and recommended that the plans and specifications submitted by A. B. & W. T. Westervelt, of New York, be adopted, and that it would cost about \$6,000 to make the proposed change. It was unanimously voted : "That the secretary of this Board communicate the action of this board to the City Council, and ask for a special appropriation of \$6,000, to change the present book room into a steel stack room."

I appeared before the Finance Committee of the City Council, by invitation, with the plans for the proposed change, and explained the urgent need of more shelf room, so that we could classify the books and reorganize the library. It was understood by the members of the city government that we did not intend to use this money until next year, as it would take a year for us to classify and catalogue the books and prepare for the change, but that the trustees did not feel justified in continuing the work of reorganizing the library, unless they were assured by the City Council that the money for the alterations would be available when needed.

At meetings of the Board of Aldermen and the Common Council held June 13, an order was passed appropriating, for public library improvement, for increased accommodation for books, \$3,000, and the order was approved by the Mayor, June 15.

It appears that the full sum asked for by this board was not appropriated at that time, because the City Council only had about \$3,000 at their disposal, which they placed to the credit of Public Library Improvement, feeling confident that next year's city government would

complete the appropriation. We have, therefore, at the city hall, the sum of \$3,000, and there is no reason to doubt that at an early day next year's City Council will vote the remaining \$3,000.

This prompt and liberal action of the city government assured this board that they would be justified in proceeding with the work of classifying and recataloguing the books, and it is hoped and expected that by the first of next September, our library will not only be amply supplied with shelf room, but that we shall have a new Finding List printed of all the books, arranged by classes, under authors and titles, and a new card catalogue containing subjects, authors, titles and cross references, well under way.

DESCRIPTION OF STACK.

The exterior of the building will be changed in book-stack wing only, by increasing window area. The present windows are to be elongated by adding two sashes at bottom, having a panel between the present sill and top of new windows, which will improve the appearance of the structure. The interior structure is not to be changed, there being sufficient height to accommodate the second tier of book stacks.

The new stacks are of light construction of steel, and will be two stories high, with heavy glass plates for second floor, and access to the same will be by two sets of iron stairs, one at each end.

A large book-lift is to be put in at the rear of this second book-stack floor, to the basement, where the packing, unpacking and repairing of books will be done. In the front will be a small book-lift from near the delivery desk to the second floor.

The present wooden cases are clumsy compared with the steel stacks, which are well designed and have ornamental facias, and the patent device for interchangeable shelving is not only more economical, but admits of better classification.

The present upper floor will have to be extended under the old wall shelving, which is to be removed. The second floor of the book stack has an ornamental front, and gallery rail. The new stack being open-work in all parts, admits a free circulation of air through all the shelves, and over all the books, equalizing the temperature, and thereby tends to preserve them.

SHELF ROOM.

The amount of shelving for books in this library at the present time is about 3,725 linear feet. Allowing an average of eight and one-half books to each foot of shelf room, which seems to be the amount of space generally agreed upon by librarians, the total capacity of the library, assuming that every inch of shelving could be utilized, would be 31,662 volumes, distributed as follows :

Book room	23,587 volumes
Americana room	1,020 “
Magazine room	1,513 “
Public document room	3,714 “
Reference room	1,820 . “

The new stack alone, if completed as planned, would hold 60,000 volumes.

The 18 book cases, now in the book room, each capable of holding 1,000 volumes, are to be distributed in the other rooms of the building. Then the book capacity of this building will be as follows :

Stack room	60,000 volumes
Americana room	1,020 “
Magazine room	1,513 “
Public document room	3,714 “
Reference room	1,820 “
Book cases	18,000 “

A total of over 86,000 volumes, or 54,000 volumes more than at the present time. How many years of growth will be required for the library to reach this limit of 86,000 volumes is a problem we need not now consider. But at no distant day, you must consider and solve the problem of furnishing generous, ample rooms for the following purposes : General delivery, and a card catalogue ; reading room, worthy of the name ; reference room large enough for the needs of this constantly-growing city ; rooms for individual research and study ; room for cataloguing ; room for covering and repairing books ; rooms for relics ; art rooms ; music rooms ; and classrooms.

The world is moving. Public library work is in its infancy, and

its future possibilities are immeasurable. Somerville may lead or follow, but the movement is onward, and will broaden out and occupy new and more important fields of usefulness.

CATALOGUES, OR FINDING LISTS.

Should a person desire to ascertain whether our library contains a certain book, at the present time, he would have to consult *fifteen* lists, thus making it necessary to look through fifteen alphabets before he would be certain that the desired book is not in the library.

All books in the library bought before May 1, 1894, are entered either in the catalogue of 1888, or the supplements of 1889, 1891, or the Somerville *Journal* supplement of 1894. All books purchased since last May are entered in Bulletins 1 to 11, second series, also in the general card catalogue.

The difficulty of finding a book in a large library that depends solely on printed lists, is so great that the average mortal gives up in despair, and will take anything he can get rather than fathom the depths of the mysteries of printed catalogues, supplements, bulletins, and finding lists, particularly if they have become as numerous as they are in our library. "It requires resolution and perseverance to get on terms with a big library, and the expenditure of time involved is more than a busy man can afford. It occurred to some enemy of the human race to invent catalogues of the ordinary type. The true bibliophile soon acquires a profound distrust and suspicion of these works. They are a fruitful source of cerebral irritation, headache, and biliousness."

Printed catalogues soon get out of date; new ones must be prepared, and they are very expensive.

As soon as we complete the present classification of books and give them their new position on the shelves, every call number will be changed, and no list now in existence will aid one in finding any particular book. We must prepare new ones.

The card catalogue is the ideal catalogue in many respects. It is always up to date, and when arranged under classes, subjects, titles, authors, and cross references, with bibliographical notes, is of incalculable value. But a card catalogue for the use of the general public must be displayed in a large room so that many persons can consult it at the same time. A card catalogue has its limitations and its own particular field.

I am confident that this library cannot satisfy the demands of the public with a card catalogue *alone*. Many persons use the library who seldom come to this building themselves ; a large number of books are distributed through the two agencies ; school children become messengers, and these patrons demand lists that they can consult at home.

Instead of the customary printed catalogue, I would recommend a printed finding list of all of the books in the library, arranged under classes, by titles and by authors, using, as far as practicable, short titles, with a full index, or table of contents. I would have it so arranged that the several classes of books could be bound up separately if thought desirable. A finding list of this character would cost at least \$2,000, and a special appropriation should be made by the City Council to pay for it.

REBINDING.

During the past year 1,838 volumes have been sent to the bindery, and each year this number must be larger as the library grows in size and in age, consequently the bills for rebinding will necessarily increase, and this fact should be considered by the City Council in making its annual appropriation. Of this number, 1,410 volumes were books from the circulating department, and 428 volumes were magazines.

Among the latter were complete sets of the Atlantic, Harper, Century, Scribner, Appleton, and St. Nicholas, bound in one-half morocco for the reference library.

FRENCH AND GERMAN BOOKS.

During the year 95 volumes printed in the French language have been placed in the library, not only for the benefit of our French population, which is sufficiently numerous to make it desirable to supply these books, but for that constantly-increasing class of Americans who have studied the language, read it easily, and are glad to obtain works which represent and illustrate the several classes of French literature.

The frequent calls for these books indicate that they were needed and are appreciated by readers or students of the language.

The same reasons that lead to the introduction of books in the

French language into the library, apply with equal or stronger force to books in the German language, and I suggest if the funds at your disposal will permit, that during the coming year an alcove of books in the German language be started.

RENEWALS.

In my report last year I took occasion to call your attention to the fact that all of the books of fiction, juvenile books, some works of travel, histories, and many other books in the library, were marked to circulate only seven days, and the by-laws did not allow books so marked renewed, and expressed the opinion that with the possible exception of works of fiction and some small books, one week was too short a period to devote to a good book, and thought the patrons of the library would appreciate having as few seven-day books as possible, and that it would, in my judgment, be wise to make *all* books that have been in the circulating library one year, fourteen-day books, perhaps not allowing works of fiction and juveniles to be renewed.

The question how long a book may be permitted to remain in the hands of a reader before it must be returned to the library so that another reader can obtain it, is a very serious and troublesome one in a small library, with a large constituency. And this library comes under this head, for we have in our circulating department only about one book for three inhabitants.

Under the by-laws above referred to, a book marked "seven-day" could enter fifty-two families in one year, while a fourteen-day book could be used but thirteen times, if each person taking it kept it the full time permitted by the rule. A careful consideration of the old rule, by this Board, led to the adoption of the following in its place :

"ARTICLE XI. All books shall be fourteen-day books, unless otherwise designated, and no book shall be retained longer than the time prescribed.

ARTICLE XII. No renewal of any book shall be made till the volume has remained in the library one full day from its return."

By these new rules, all books, unless plainly marked to the contrary, can be retained fourteen days and no more, and cannot be renewed, or transferred from one card to another, so as to remain in the same household for a longer period.

At the present time, new and popular works of fiction and a few others small books are marked "seven-day," but the number of seven-day books in the library is relatively very small. It may be desirable to mark some of the larger works "twenty-one or twenty-eight-day," but up to the present time all books are either seven-day or fourteen-day books.

The new rule seems to be working well, and is giving general satisfaction so far as I am able to learn.

REREGISTRATION.

At a meeting of this Board held November 26, it was voted: "That the Librarian be instructed to have a reregistration of all the patrons of this library at his earliest convenience."

The common experience of public libraries has shown that a new registration at least as often as once in five years is almost a necessity. The practice of the various libraries as to frequency, extent or duration, is not at all uniform. Most of the newer libraries, and many of the older, have found it best to limit the period of registration, and consequent life of the library card, to terms of either two or three years, usually the former; a few have adopted five years as the limit.

The advantage of prompt notification in case of overdue books, that is, those kept beyond the loan period provided by the rules of the library, has long been understood; and losses to the library are greatly lessened when such practice is promptly followed. But the first requisite to effective notice is to have the correct address of the delinquent. Long terms of registration are not conducive to accuracy in that respect, owing to the very large percentage of persons who neglect to give the required notice to the library of any change of residence, and this defect is more evident in the case of the two persons who recommended the card-holder, and who are in a certain sense morally responsible, at least, for his neglect.

Of the volumes reported as not recovered from readers at this library, nearly every one represents the loan to some reader who at the time when his card was issued to him was living at the street and number at which his registration locates him, but who at the time when the missing book was issued to him was no longer living there, and could not be traced farther.

Our best safeguard against the loss of books, is a vigilant oversight on the part of the Librarian in sending for overdue books, and to do this promptly and successfully it is necessary to have the correct address of the card-holder and his recommenders.

Reregistration means a large amount of work for the library force, and a certain amount of annoyance to the book-takers, but neither of these need be excessive under a proper system, and I trust we may be able to carry out your instruction of November 26, without seriously interfering with the regular work of the library, or interrupting the continuous taking out of books by our patrons.

CASE FOR NEW BOOKS.

The time has not arrived when it seems practicable to recommend that the patrons of the library should be admitted to the book room to examine and select their own books, neither do I consider it worth the time to give the arguments for or against this plan. I would, however, suggest for your consideration, that a book-case be placed either in the delivery room or in the reading room, easy of access to the public, and that on its open shelves all new books be placed, that they may be handled and examined by readers at their leisure, or taken by them, after being charged on their card, for home use. This would "give access to the shelves" so far as new books are concerned, and I am confident that this privilege would be appreciated, and that it would immediately put into circulation many books that would not be called for, were readers only directed to them by seeing their titles on the bulletin board or in the local papers.

If it were found, after trial, that this method of exposing new books did not work satisfactorily or that the privilege was abused, it would be an easy matter to discontinue it.

I also suggest that a case of reference books, such as encyclopædias, unabridged dictionaries, biographical dictionary, Lippincott's Gazetteer, Brewer's Handbooks, etc., be placed in the reading room for readers to consult at their pleasure.

INFORMATION SLIPS.

It seems to me that one of the most important duties that the Librarian should perform is to assist readers and students in their

search for books and information in connection with their reading and study. And I desire all persons to feel and to exercise the utmost freedom in calling on me for any assistance or advice which I may be thought to be able to give.

I have placed in the delivery room this notice : "It is hoped that those who make use of the library will have no hesitancy in consulting the Librarian and assistants in all matters upon which information is needed. Inquiries regarding special subjects of study are always invited, and will receive careful attention. Information slips can be obtained at the desk."

It is very gratifying to report that many have accepted the invitation, and fully appreciate all assistance rendered. While freely giving all the information in our power, our constant aim should be to assist readers to search for themselves, after directing them to the source from which the information can be obtained.

If we are not able to give the information required, at the time the request is made, we mail it as soon as it is obtained.

Next to supplying the books themselves, it seems to me the most important work we can do is to judiciously guide and assist readers in the selection and use of books.

In the line of this kind of work, we have published in the local papers and have distributed special reading lists, not only giving the titles, authors, and shelf numbers of some of the books on the subject, but calling attention to articles in the periodicals that should be read.

These are among the subjects bulletined : —

Sandwich Islands and Hawaii.

Books for Boys (with helpful notes about each book).

Political Science.

Protection and Free Trade.

Labor and Trades Unions.

Edward Everett Hale.

Money and Finance.

Books Relating to Unconventional Journeys.

Books of Nature for Summer Reading.

Summer Sports and Out-door Exercises.

Mountain Expeditions.

Yachts and Yachting.

Corea, China and Japan.

TWO-BOOK CARD.

Several libraries in this country, and some abroad, allow two books to be taken on one card. Wherever tried it has been found to be a great convenience, and has given general satisfaction to the public.

The card now in use in the Brookline Public Library contains the following instructions: "Borrowers may take two books at the same time, provided that not more than one of these shall be a work of fiction, and that two new books shall not be taken." The card is divided in the middle; the left side has "Fiction" at the top, the right side "Other works."

This arrangement permits a dessert with the meats, and gives a person opportunity of tasting of the notable literature of the day without giving up the delightful novel. It will reduce the time now spent by the reader in obtaining and returning his books, and would ultimately lead to a wider and more profitable range in his reading. I would recommend that it be given a trial in this library.

CONCLUSION.

In closing this report, I desire to express my grateful appreciation of the cordial good will and support that have been given me, not only by every member of this Board of Trustees, but by those who to so large an extent help to educate public opinion,—our local press. In many instances much help has been derived from it, not only directly by kindly criticism or commendation and by publishing our bulletins of new books and reading lists, but indirectly by calling particular attention to books included in our catalogues, or by introducing topics which have induced the reader to consult books in the library. This is as it should be. The library and the newspaper should be mutually helpful, and both seek for the furtherance of public intelligence and good morals.

But, gentlemen, it is from your hands I have had the most immediate assistance and cheer. The careful, candid consideration that you have ever given to all my suggestions and plans, has given me added strength and fresh courage. Your hearty co-operation and well-matured advice has lightened my burdens and lessened my labors, and if during my administration, as the executive head of this library, any

improvements have been made, and the library has been placed in closer touch with the people, or our books have exerted a greater educational force in this community, to you, largely, the credit belongs.

We have consulted together freely, and if our conclusions have not always been wise, certainly that cannot be chargeable to any lack of painstaking care on your part. Differences of opinion must be expected, and are not always undesirable. Mistakes cannot be invariably avoided, but so long as there is an underlying sense of moral responsibility, the work as a whole must prove substantially praiseworthy.

The ideal library has yet to be created, and it must be of gradual growth, the result of careful thought, united effort, and hard work — continued through many years. Our ideal may never be realized, but with a vigorous purpose to make use of all the means and material furnished us, an advance must be made which shall give better and still better results. We can, at least, keep in mind Browning's invigorating declaration :

“'T is not what man does which exalts him, but what man would do.”

And so with eager activity and zeal we may be faithful to our trust by putting ourselves into our work. Only such work deserves the praise of others, or the plaudits of our conscience. When Phidias, the great Grecian artist, made the shield of Minerva, he wrought his own image into the shield.

Respectfully submitted,

JOHN S. HAYES, *Librarian.*

December 31, 1894.

REPORT
OF THE
SOMERVILLE MYSTIC WATER
BOARD.

CITY OF SOMERVILLE.

IN BOARD OF ALDERMEN, February 13, 1895.

Referred to the Committee on Printing, to be printed in the Annual Reports.
Sent down for concurrence.

GEORGE I. VINCENT, *Clerk.*

IN COMMON COUNCIL, February 13, 1895.

Referred to the Committee on Printing, to be printed in the Annual Reports,
in concurrence.

CHARLES S. ROBERTSON, *Clerk.*

CITY OF SOMERVILLE.

OFFICE OF THE WATER BOARD, February 2, 1895.

TO HIS HONOR, THE MAYOR, AND THE CITY COUNCIL:—

Gentlemen,—The Somerville Mystic Water Board herewith presents its twenty-first annual report of the condition of the Water Department, being for the year ending December 31, 1894.

ORGANIZATION.

The Board organized on February 2, by re-election of George D. Wemyss as president, and Frank E. Merrill as clerk. Nathaniel Dennett was re-elected superintendent.

FINANCIAL CONDITION.

COST OF WATER WORKS.

The total cost of works on December 31, 1893, was .	\$607,593.82
Expended during the past year for construction .	28,375.67
<hr/>	
Total cost December 31, 1894	\$635,969.49

WATER DEBT.

The indebtedness of the city on account of the Water Works on December 31, 1893, was \$358,500; this debt has been reduced during 1894 by the payment of bonds maturing July 1, and October 1, to the amount of \$18,000, the water indebtedness being now represented by bonds drawing interest as follows:

\$248,000.00 at 4 per cent. per annum.
82,500.00 " 5 " " " "
10,000.00 " $5\frac{1}{2}$ " " " "

RECEIPTS AND DISBURSEMENTS.

The following tables exhibit the receipts and expenditures for maintenance and extension of the Water Works during the year 1894 :

MAINTENANCE.

Received, amount appropriated by City Council for 1894		\$25,000.00
Received, amount transferred from Extension account		5,000.00
Received, amount transferred from Water Loan Interest account		2,500.00
Received, collections from sundry accounts for labor and material		196.93
Received, balance from Water Service Assessments .		147.65
Paid for maintenance of Water Works	\$31,936.90	
Amount expended in excess of appropriation in 1893	\$ 596.67	
Balance unexpended at end of year .	311.01	
	<hr/>	<hr/>
	\$32,844.58	\$32,844.58

EXTENSION.

Received, unexpended balance from appropriation of 1893	\$	14.94
Received, amount appropriated by City Council for 1894		35,000.00
Received, collections from sundry accounts for labor and material		1,857.39
Paid for Extension of Water Works	\$30,233.06	
Transferred to Water Maintenance account	5,000.00	
Balance unexpended at end of year	1,639.27	
	<hr/>	<hr/>
	\$36,872.33	\$36,872.33

SERVICES.

It was decided by the Board early in the year to make a change in the system of putting in and paying for service pipes. Formerly the

service pipes were laid from the street main to the building, and all material and labor were charged for, so that it frequently occurred that two or more service pipes of the same length would vary in cost, as there could be no fixed charge for the labor, thereby causing dissatisfaction. The service was not to be paid for until after the work was completed, and it often happened that the city was deprived of the payment for many months after the work was finished. Under the present system a uniform price of \$15 is made for each service pipe ; they are paid for when the application is made, and are laid by the city only to the property line. Three hundred and sixty-one new services were put in during the year, and we are pleased to say that the new arrangement has worked very satisfactorily.

EXTENSION OF WORKS.

For the four years ending December 31, 1893, over ten and one-fourth miles of cast-iron pipe were laid on extension of the works. It would appear from these figures that our undeveloped territory would soon be exhausted, but as evidence that progress in opening up available building sites is still being actively carried on, two and one-quarter miles have been laid in the year just closed, an increase of three thousand, four hundred feet over the previous year.

Perhaps there is no truer barometer of the rapid growth of the city than this large extension of the works.

Reference may be had to the report of the superintendent, herewith presented, for details of the pipe laid in extending the water works system.

RELAYING WATER PIPES.

The deplorable condition of the old cement pipe in our streets is indeed alarming. The employees are called out at all hours of the day and night to repair bursts ; oftentimes snow and ice have to be removed from the gate covers before the water can be shut off, while in the meantime a cellar is being flooded, or windows broken with a cyclone of water, gravel and mud ; for it must be borne in mind that the debris will often drive with cyclonic force for over sixty feet from the break. Next comes the annoyance of settling damages, which are frequently quite heavy. The Board is apprehensive that, in case

of fire, the extra strain on these old pipes will cause a break and leave our firemen powerless for want of water. The Board has used its utmost endeavor from year to year to replace the old cement with cast-iron pipe, but we feel that the appropriations have never been large enough for that purpose. There has been relaid during the last year about four and seven-eighths miles ; there are about eighteen miles yet to be relaid, and the safety of the city demands that it should be done at once.

HYDRANTS.

There has been a net increase of sixty-two hydrants during the year, making the total number now in the city six hundred and thirty. We again renew our recommendation that the expense of setting hydrants and keeping them in order be placed in the hands of the fire department.

Experience has shown that familiarity with the construction and operation of our hydrants is a matter which cannot be too strongly urged upon our firemen.

HIGH WATER SERVICE.

Everything connected with the high water service continues to give entire satisfaction. It was found to be of great usefulness during what threatened to be a very serious fire in one of the wood-working establishments of our city. The fire department were delighted with the abundance of water furnished.

All the wood-work of the pumping station has been scraped and refinished, giving the place a bright and clean appearance.

WATER SUPPLY.

In our last report we called attention to the fact that the Legislature instructed the State Board of Health to examine into the question of Metropolitan water supply, and to report in the year 1895.

Through the courtesy of the State Board of Health we were shown and had explained to us, on a large map, the proposed Metropolitan system, and were much pleased with the thorough manner in which it had been investigated. At the present time Boston is constructing

basin No. 5 at the head of the Sudbury system, and it is estimated that it will hold seven billion gallons, but this additional reservoir will be sufficient for not more than eight or ten years. The Metropolitan district, including Boston and suburbs within a radius of ten miles, has at present a population of one million, and in 1920 will, in all probability, have reached two million people.

The State Board of Health has completed its report, and has decided that the most available source of supply is to extend the Sudbury system by tapping the Nashua river nine miles beyond basin No. 5, and by forming an artificial lake at that point covering an area of six and one-half square miles, with an average depth of forty-six feet, which will hold sixty-three billions, sixty-eight millions gallons of water in reserve. Beyond this basin it is proposed to obtain future supplies from the Ware and Swift rivers, and it is possible to go even farther back and to touch the Deerfield river. This plan has been found, after careful surveys by competent engineers, to furnish an area larger than that covered by Lake Winnepesaukee; it furnishes water which is equally pure and good, and the cost will be much less.

It is estimated that the expense of connecting the Nashua river with the Sudbury system, and the formation of the proposed large reservoir would be \$17,000,000, and that the investment would soon pay for itself in the increased demand for water.

It must be quite evident to every water taker in Somerville that something must be done to procure not only a more abundant supply, but also water of better quality than that now furnished by the Mystic system. The proposed Metropolitan system will do both, and at much less expense than we are under now. We recommend that the city of Somerville do all in its power to bring about the completion of this work.

GEORGE D. WEMYSS,
GEORGE A. KIMBALL,
WM. FRANKLIN HALL,

Somerville Mystic Water Board.

REPORT OF THE SUPERINTENDENT.

TO THE SOMERVILLE MYSTIC WATER BOARD :—

Gentlemen,—The annual report of the Superintendent of the Somerville Mystic Water Works is herewith submitted, with details of the work performed by this department during the year 1894.

The tables hereto annexed show the location, size and number of feet of pipe extended and renewed; the number and location of hydrants set and removed; the location of all hydrants in use Dec. 31, 1894; the number and location of gates set and removed; the number and locations of standpipes, and the number and locations of fountains in the city, also the number, size and length of service pipes laid in 1894.

HIGH SERVICE.

The high service continues to give excellent satisfaction. Several streets that were relaid with iron pipe in 1894 have been added to the district covered by the high service, and seventeen additional hydrants have been included.

DISTRIBUTION MAINS.

A number of important thoroughfares were relaid with cast iron pipe, and the domestic and fire service have been greatly improved thereby, but a large number of streets are still in a condition that imperatively demands relaying with iron pipe the coming season.

Two miles, 1,344 feet, of cast-iron pipe were laid on construction account, and 4 miles, 4,657 feet, were laid in place of old cement-lined pipe abandoned.

There still remains in the city 23 miles, 1,916 feet, of cement-lined pipe.

The total length of distribution mains now in the city is 69 miles, 4,947 feet.

CONSTRUCTION TABLE.
NEW PIPE, GATES, HYDRANTS, AND STANDPIPES.

	PIPE LAID.		GATES.		HYDRANTS.		Standpipes.
	Feet.	Size. Inches.	No.	Size. Inches.	No.	Size. Inches.	
Adams street	10	6	..	..	1	6	..
Adrian street . . . .	..	..	1	6	..	..	..
Ames street	6	6	..	..	1	6	..
Avon street	6	6	..	..	1	6	..
Avon street	100	10	..	..	..	..	..
Banks street	52	8	..	..	..	..	..
Bartlett street (south from Med- ford street)	18	6	..	..	2	6	..
Bartlett street (south from Broad- way)	298	6	1	6	1	6	..
Beech street	345	6	..	..	1	6	..
Bleachery court	38	2	..	..	..	..	..
Bradley street	278	6	1	6	1	6	..
Bradley street	204	8	..	..	..	..	..
Burnside avenue	239	8	..	..	..	..	..
Cedar avenue	55	6	..	..	..	..	..
Central street	6	12	..	..	..	..	..
Centre street	219	6	1	6	..	..	..
Chandler street . . . .	..	..	1	6	..	..	..
Claremont street	6	6	..	..	1	4	..
Concord avenue	21	6	..	..	1	6	..
Cook street	3	4	..	..	1	4	..
Cottage avenue . . . .	..	..	1	6	..	..	..
Craigie street	6	4	..	..	..	..	..
Craigie street	9	6	..	..	2	6	..
Cutter avenue	96	6	1	6	..	..	..
Elm place . . . .	..	..	1	4	..	..	..
Elm street	65	6	..	..	4	6	..
Elm street (near Burnside ave.)	23	2	..	..	..	..	1
Elm street (opp. Kenwood st.)	6	2	..	..	..	..	1
Francesca avenue	7	6	..	..	1	6	..
Francesca avenue	33	8	1	8	..	..	..
Fremont street	115	6	1	6	1	6	..
Fremont street	567	8	..	..	..	..	..
Gordonia Road	16	6	..	..	..	..	..
Gorham street	6	6	..	..	1	6	..
Hall avenue	7	6	..	..	1	6	..
Hall avenue	431	8	..	..	..	..	..
Hancock street	100	8	1	8	..	..	..
Harvard street	7	6	..	..	1	6	..
Harvard street (by-pass) . . . .	..	..	1	8	..	..	..
Hawthorne street	158	6	1	6	1	6	..
Highland avenue	24	6	..	..	1	6	..
Holland street	29	2	..	..	..	..	1
Irving street	8	6	..	..	1	6	..
Jenny Lind avenue	266	6	1	6	1	6	..
Kent street	76	12	1	12	..	..	..
Laurel court	169	2	..	..	..	..	..
Lexington avenue	52	4	1	4	..	..	..
Liberty avenue	218	8	..	..	..	..	..
Linden avenue	285	4	1	4	..	..	..

CONSTRUCTION TABLE. — *Continued.*
NEW PIPE, GATES, HYDRANTS, AND STANDPIPES.

	PIPE LAID.		GATES.		HYDRANTS.		Standpipes.
	Feet.	Size. Inches.	No.	Size. Inches.	No.	Size. Inches.	
Linden avenue	21	6	..	..	2	6	..
Lowell street	16	12	..	..	..	..	..
Marshall street	42	6	1	10	3	6	..
Meacham street	8	6	..	..	1	6	..
Meacham street	504	8	1	8	..	..	..
Mead street	20	6	1	6	1	4	..
Medford street	18	6	1	12	1	6	..
Melvin street	62	6	..	..	..	..	..
Melvin street	72	8	..	..	..	..	..
Minnie avenue	722	6	1	6	1	6	..
Moore street	150	6	..	..	2	4	..
Moreland street (north from Meacham)	153	6	1	6	..	..	..
Moreland street (south from Meacham)	100	10	..	..	..	..	..
Mortimer place	100	6	..	..	..	..	..
Mossland street	7	6	..	..	1	6	..
Munroe street	16	6	..	..	1	6	..
Orchard street	18	6	1	8	1	6	..
Park avenue	6	6	..	..	1	6	..
Pearl terrace	143	2	..	..	..	..	..
Pembroke street	62	6	1	6	..	..	..
Richdale avenue	55	6	1	6	..	..	..
Russell street	283	6	..	..	..	..	..
Sacramento street	10	6	..	..	1	6	..
School street	7	6	..	..	1	6	..
Snow terrace	120	2	..	..	..	..	..
Somerville avenue	20	6	..	..	2	6	..
Spring street	7	6	..	..	1	6	..
Staniford terrace	218	6	1	6	..	..	..
Staniford terrace (blow-off) . . . .	..	..	1	4	..	..	..
Summer street	40	4	..	..	4	4	..
Summer street	34	6	..	..	4	6	..
Summer street	891	10	1	10	..	..	..
Sycamore street	602	6	1	6	1	6	..
Sycamore street	3	8	..	..	..	..	..
Tower street	600	8	1	8	..	..	..
Tower street	7	6	..	..	1	6	..
Veazie street	342	6	1	6	1	6	..
Vernon street . . . .	..	..	1	4	..	..	..
Wallace street	35	6	1	8	2	6	..
Walter street	7	4	..	..	1	4	..
Walter street	563	6	2	6	1	6	..
Walter place	214	6	1	6	..	..	..
Walter place (blow-off)	8	4	1	4	..	..	..
Ware street	132	6	..	..	..	..	..
Washington street	9	6	..	..	1	6	..
Wyatt street	3	4	..	..	1	4	..
Wheeler street	293	4	2	4	..	..	..
Winter street	6	6	..	..	1	6	..
Woodbine street	472	6	..	..	1	6	..

RENEWAL TABLE.—MAIN PIPE, GATE, AND HYDRANTS.

	MAIN PIPE.			GATES.				HYDRANTS.			
	SIZE.		Length in Feet.	ABAN.		RESET.		ABAN.		RESET.	
	Aban.	Relaid		No.	Size.	No.	Size.	No.	Size.	No.	Size.
Adams street . .	4"	6"	7	1	4"	1	8"	...	...	...	...
Adams street . .	4"	8"	413	1	8"	...	...	...	...	...	...
Ashland street . .	3"	6"	47	1	4"	1	6"	...	...	...	...
Avon street . .	...	...	...	...	...	...	...	1	4"	1	6"
Beech street . .	4"	6"	21	1	4"	1	6"	1	4"	1	6"
Beech street . .	7"	8"	778	1	4"	1	8"	...	...	...	...
Belmont street . .	4"	8"	27	1	4"	1	8"	...	...	...	...
Central street . .	12"	12"	80	1	12"	1	12"	...	...	...	...
Chandler street . .	4"	6"	389	...	...	...	...	...	...	...	...
Cherry street . .	4"	8"	60	2	4"	2	8"	...	...	...	...
Cherry street . .	4"	6"	18	1	4"	1	6"	...	...	...	...
Claremon street . .	4"	6"	585	1	4"	1	6"	...	...	...	...
Craigie street . .	4"	6"	15	...	...	...	...	...	...	...	...
Craigie street . .	4"	8"	1,319	3	4"	2	8"	...	...	...	...
Elm street . .	6"	6"	36	...	...	...	...	...	...	...	...
Elm street . .	6"	12"	2,750	4	6"	2	12"	4	4"	4	6"
Elm street, standpipe	2"	...	6	...	...	...	...	...	...	...	...
Elm place . .	3"	4"	13	...	...	...	...	...	...	...	...
Evergreen avenue . .	4"	6"	27	1	4"	1	6"	...	...	...	...
Harvard street . .	6"	8"	781	3	6"	2	8"	1	4"	1	6"
Highland avenue . .	6"	6"	70	...	...	...	...	5	4"	5	6"
Highland avenue . .	6"	8"	60	...	...	...	...	1	6"	1	8"
Highland avenue . .	8"	12"	2,775	5	8"	4	12"	...	...	...	...
Howe street . .	4"	6"	27	1	4"	1	6"	...	...	...	...
Irving street . .	4"	6"	24	...	...	...	...	...	...	...	...
Irving street . .	6"	8"	1,182	2	6"	2	8"	1	4"	1	6"
Lincoln avenue . .	...	...	...	...	...	...	...	1	4"	1	6"
Loring street . .	4"	4"	6	...	...	...	...	1	4"	1	6"
Lowell street . .	6"	8"	14	1	6"	1	8"	...	...	...	...
Linden avenue . .	4"	8"	1,122	2	4"	2	8"	...	...	...	...
Marshall street . .	6"	10"	1,674	1	6"	1	10"	1	4"	1	6"
Mead street . .	4"	6"	270	...	...	...	...	...	...	...	...
Moore street . .	4"	6"	574	1	4"	1	6"	...	...	...	...
Mossland street . .	4"	12"	394	1	4"	1	12"	...	...	...	...
Orchard street . .	4"	8"	1,000	...	...	...	...	...	...	...	...
Park avenue . .	4"	6"	516	2	4"	2	6"	...	...	...	...
Pitman street . .	4"	6"	52	2	4"	2	6"	...	...	...	...
Porter street . .	4"	8"	61	2	4"	2	8"	...	...	...	...
Prescott street . .	6"	8"	34	...	...	...	...	...	...	...	...
Sacramento street . .	6"	12"	60	1	6"	1	12"	...	...	...	...
School street . .	4"	10"	313	1	4"	1	10"	...	...	...	...
Somerville avenue . .	6"	6"	30	...	...	...	...	...	...	...	...
Somerville avenue . .	6"	12"	1,690	1	6"	1	12"	2	6"	2	6"
Spring street . .	4"	8"	428	1	4"	1	8"	...	...	...	...
Summer street . .	4"	6"	118	...	...	...	...	...	...	...	...
Summer street . .	6"	10"	4,055	7	6"	6	10"	2	4"	2	4"
Thurston street . .	...	...	...	...	...	...	...	1	4"	1	6"
Vinal avenue . .	6"	8"	40	...	...	...	...	...	...	...	...
Wallace street . .	6"	8"	1,360	2	6"	2	8"	...	...	...	...
Webster street . .	...	...	...	...	...	...	...	1	6"	1	6"
Winter street . .	4"	6"	456	2	4"	2	6"	...	...	...	...

TABLE SHOWING THE LOCATION OF PIPE LAID IN 1894.

STREET.	FROM.	To.	Diameter in Inches.	Length in Feet.
Central . .	At junction of .	Highland ave. .	12	6
Kent . .	Somerville ave.	Southerly .	12	76
Lowell . .	Connection .	At Somerville ave.	12	16
				98
Avon . .	1892 . .	Southeasterly .	10	100
Moreland . .	1891 . .	Northeasterly .	10	100
Summer . .	Cherry street .	Willow ave. .	10	891
				1,091
Banks . .	1893 . .	Northeasterly .	8	52
Bradley . .	1890 . .	Northeasterly .	8	204
Burnside ave. .	1893 . .	Northeasterly .	8	239
Francesca ave. .	1890 . .	Liberty ave. .	8	33
Fremont . .	6" laid in 1894 .	Northeasterly .	8	567
Hall ave. .	1893 . .	Southeasterly .	8	431
Hancock . .	1893 . .	Summer street .	8	100
Liberty ave. .	Francesca ave. .	Southwesterly .	8	218
Meacham . .	Fremont street .	Minnie ave. .	8	504
Melvin . .	1893 . .	Southwesterly .	8	72
Sycamore . .	Connection .	At Highland ave.	8	3
Tower . .	Highland ave. .	Crown street .	8	600
				3,023
*Adams . .	. . . .	. . . .	6	10
*Ames . .	. . . .	. . . .	6	6
*Avon . .	. . . .	. . . .	6	6
Bartlett . .	Broadway . .	Southwesterly .	6	298
*Bartlett . .	. . . .	. . . .	6	18
Beech . .	Spring street .	Harvard street .	6	345
Bradley . .	8" laid in 1894 .	Walter street .	6	278
Cedar ave. .	Connection .	At Linden ave.	6	55
Centre . .	Albion street .	Woodbine street	6	219
*Claremon . .	. . . .	. . . .	6	6
*Concord ave. .	. . . .	. . . .	6	21
*Craigie . .	. . . .	. . . .	6	9
Cutter ave. .	1892 . .	Highland ave. .	6	96
*Elm . .	. . . .	. . . .	6	65
*Francesca ave. .	. . . .	. . . .	6	7
Fremont . .	1890 . .	Northeasterly .	6	115
Gordonia road. .	Connection .	At Summer street	6	16
*Gorham . .	. . . .	. . . .	6	6
*Hall ave. .	. . . .	. . . .	6	7
*Harvard . .	. . . .	. . . .	6	7
Hawthorne . .	Cutter ave. .	Southeasterly .	6	158

TABLE SHOWING THE LOCATION OF PIPE LAID IN 1894.— *Continued.*

STREET.	FROM.	TO.	Diameter in Inches.	Length in Feet.
* Highland ave. .	. . .	. . .	6	24
* Irving . .	. . .	. . .	6	8
Jenny Lind ave.	1892 . .	Broadway .	6	266
* Linden ave. .	. . .	. . .	6	21
* Marshall . .	. . .	. . .	6	42
* Meacham . .	. . .	. . .	6	8
Mead . .	6" laid in 1894 .	Southeasterly .	6	20
* Medford . .	. . .	. . .	6	18
Melvin . .	80 feet north from Bonair street .	Northeasterly .	6	62
Minnie ave. .	Meacham street	Northeasterly .	6	722
Moore . .	6" laid in 1894	Mead street .	6	150
Moreland . .	Meacham street	Northeasterly .	6	153
Mortimer place .	Walter street .	Northerly .	6	100
* Mossland . .	. . .	. . .	6	7
* Munroe . .	. . .	. . .	6	16
* Orchard . .	. . .	. . .	6	18
* Park ave. . .	. . .	. . .	6	6
Pembroke . .	1874 . .	Sycamore street	6	62
Richdale ave. .	1888 . .	Sycamore street	6	55
Russell . .	Orchard street .	Cottage ave. .	6	283
* Sacramento . .	. . .	. . .	6	10
* School . .	. . .	. . .	6	7
* Somerville ave.	. . .	. . .	6	20
* Spring . .	. . .	. . .	6	7
Stanford terrace	Beacon street .	Northeasterly .	6	218
* Summer . .	. . .	. . .	6	34
Sycamore . .	Medford street .	Richdale ave. .	6	602
* Tower . .	. . .	. . .	6	7
Veazie . .	James street .	Northwesterly .	6	342
* Wallace . .	. . .	. . .	6	35
Walter . .	Walnut street .	Mortimer place .	6	563
Walter place . .	Walter street .	Southwesterly .	6	214
Ware . .	1888 . .	Northwesterly .	6	132
* Washington . .	. . .	. . .	6	9
* Winter . .	. . .	. . .	6	6
Woodbine . .	Centre street .	Northwesterly .	6	472
				6,467
* Cook . .	. . .	. . .	4	3
* Craigie . .	. . .	. . .	4	6
Lexington ave. .	At Fanning ave.	For blow-off .	4	52
Linden ave. .	Summer street .	Cedar ave. .	4	285
* Summer . .	. . .	. . .	4	40
* Walter . .	. . .	. . .	4	7
Walter place . .	At end of place	For blow-off .	4	8

TABLE SHOWING THE LOCATION OF PIPE LAID IN 1894.—*Concluded.*

STREET.	FROM.	TO.	Diameter in Inches.	Length in Feet.
Wheeler . . .	Mt. Vernon street	Pinckney street	4	293
*Wyatt . . .	. . .	. . .	4	3
				697
Bleachery court .	Connection .	At Somerville ave.	2	38
Elm . . .	At Burnside ave.	For standpipe .	2	23
Elm . . .	At Kenwood street	For standpipe .	2	6
Holland . . .	At Elmwood street	For standpipe .	2	29
Laurel ave. . .	Laurel street .	Northwesterly .	2	169
Pearl terrace .	Pearl street .	Northeasterly .	2	143
Snow terrace .	Jaques street .	Southwesterly .	2	120
	.			528
<i>Total length</i>	<i>of Pipe laid</i> .	. . . . .	. . .	11,904

*Hydrant branch.

TABLE SHOWING THE LOCATION OF PIPE RELAID IN 1894.

STREET.	FROM.	To.	SIZE.		Length. in Feet.
			Aban- doned.	Relaid.	
Adams .	Medford street .	Northeasterly .	4"	8"	413
*Adams .	. . . . .	. . . . .	4"	6"	7
Ashland .	Connection .	At Summer street	3"	6"	47
Beech .	Connection .	At Somerville ave.	4"	6"	21
Beech .	Somerville ave. .	Spring street .	4"	8"	778
Belmont .	Connection .	At Somerville ave.	4"	8"	27
Central .	North of Highland ave.	South of Highland ave.	12"	12"	80
Chandler .	Park ave. . . .	Northeasterly .	4"	6"	389
Cherry .	North of Summer st.	South of Summer st.	4"	8"	60
Cherry .	Connection .	At Elm street .	4"	6"	18
Claremon .	Holland street .	Mead street .	4"	6"	585
Craigie .	Somerville ave. .	Summer street .	4"	8"	1,334
Elm .	Craigie street .	Willow ave. .	6"	12"	2,750
*Elm .	. . . . .	. . . . .	6"	6"	36
Elm place .	Connection .	At Harvard street	3"	4"	13
Evergreen ave.	Connection .	At Marshall street	4"	6"	27
Harvard .	Beech street .	Summer street .	6"	8"	781
Highland ave.	Walnut street .	Central street .	8"	12"	2,775
*Highland ave.	. . . . .	. . . . .	6"	8"	60
*Highland ave.	. . . . .	. . . . .	6"	6"	70
Howe .	Connection . .	At Marshall street	4"	6"	27
Irving .	Broadway . .	Holland street .	6"	8"	1,182
*Irving .	. . . . .	. . . . .	4"	6"	24
*Loring .	. . . . .	. . . . .	4"	4"	6
Lowell .	Connection . .	At Summer street	6"	8"	14
Linden ave.	Elm street . .	Summer street .	4"	8"	1,122
Marshall .	Pearl street .	Broadway . .	6"	10"	1,674
Mead .	Moore street .	East of Claremon st.	4"	6"	270
Moore .	Holland street .	Near Mead street	4"	6"	574
Mossland .	Elm street . .	Somerville ave. .	4"	12"	394
Orchard .	Day street . .	Russell street .	4"	8"	1,000
Park ave. .	Wallace street .	Near Elm street .	4"	6"	516
Pitman .	Connections .	At Beech & Spring sts.	4"	6"	52
Porter .	Connections .	At Elm & Summer sts.	4"	8"	61
Prescott .	Connection .	At Highland ave.	6"	8"	34
Sacramento	Connection .	At Somerville ave.	6"	12"	60
School .	Highland ave. .	Madison street .	4"	10"	313
Somerville ave.	Near Central street	Craigie street .	6" & 8"	12"	1,690
*Somerville ave.	. . . . .	. . . . .	6"	6"	30
Spring .	Somerville ave. .	Beech street .	4"	8"	428
Summer .	West of Preston street	Cherry street .	6"	10"	4,055
*Summer .	. . . . .	. . . . .	4"	6"	118
Vinal ave. .	Connection .	At Highland ave.	6"	8"	40
Wallace .	Holland street .	Broadway . .	6"	8"	1,360
Winter .	Holland street .	Near Elm street .	4"	6"	456
<i>Total</i>	. . . . .	. . . . .	. . . . .	. . . . .	25,771

*Hydrant branch.

HYDRANTS.

EXTENSION.

New hydrants have been set in the following locations : —

- Adams street, 6-inch P. & C., 10 feet north from Medford street.
- Ames street, 6-inch P. & C., 131 feet west from Central street.
- Avon street, 6-inch P. & C., 235 feet east from Central street.
- Bartlett street, 6-inch P. & C., 230 feet south from Broadway.
- Bartlett street, 6-inch Holyoke, 15 feet south from Ames street.
- Bartlett street, 6-inch P. & C., 10 feet south from Robinson street.
- Beech street, 6-inch Holyoke, 4 feet south from Atherton street.
- Bradley street, 6-inch Holyoke, 28 feet south from Veazie street.
- Claremon street, 4-inch Bigelow, 252 feet south from Holland street.
- Concord avenue, 6-inch Holyoke, opposite Knapp Schoolhouse.
- Cook street, 4-inch B. M., 74 feet north from Wyatt street.
- Craigie street, 6-inch Holyoke, 126 feet north from Somerville avenue.
- Craigie street, 6-inch Holyoke, 216 feet from Summer street.
- Elm street, 6-inch Holyoke, west corner Porter street.
- Elm street, 6-inch Holyoke, 11 feet east from Mossland street.
- Elm street, 6-inch Holyoke, 153 feet east from Cherry street.
- Elm street, 6-inch Holyoke, 16 feet east from Burnside avenue.
- Francesca avenue, 6-inch Holyoke, corner Liberty avenue.
- Fremont street, 6-inch P. & C., 287 feet north from Meacham street.
- Gorham street, 6-inch P. & C., 305 feet south from Holland street.
- Hall avenue, 6-inch P. & C., 306 feet west from Liberty avenue.
- Harvard street, 6-inch Holyoke, 22 feet north from Harvard place.
- Hawthorne street, 6-inch P. & C., 141 feet east from Cutter street.
- Highland avenue, 6-inch Holyoke, 114 feet west from School street.
- Irving street, 6-inch Holyoke, 187 feet north from Holland street.
- Jenny Lind avenue, 6-inch P. & C., 220 feet south from Broadway.
- Linden avenue, 6-inch Holyoke, 550 feet north from Elm street.
- Linden avenue, 6-inch Holyoke, 30 feet north from Olive avenue.
- Marshall street, 6-inch Holyoke, 94 feet north from Gilman square.
- Marshall street, 6-inch Holyoke, 30 feet north from Stickney avenue.
- Marshall street, 6-inch Holyoke, 104 feet south from Mortimer place.
- Meacham street, 6-inch P. & C., 14 feet west from Moreland street.
- Mead street, 4-inch Bigelow, 48 feet east from Claremon street.
- Medford street, 6-inch P. & C., 14 feet west from Jenny Lind avenue.

Minnie avenue, 6-inch P. & C., 300 feet north from Meacham street.
Moore street, 4-inch B. M., 22 feet south from Holland street.
Moore street, 4-inch B. M., 330 feet south from Holland street.
Mossland street, 6-inch Holyoke, 112 feet north from Somerville ave.
Munroe street, 6-inch P. & C., 206 feet east from Walnut street.
Orchard street, 6-inch Holyoke, corner Mason avenue.
Park avenue, 6-inch Holyoke, 10 feet west from Chandler street.
Sacramento street, 6-inch P. & C., 5 feet south from Miller street.
School street, 6-inch Holyoke, 124 feet north from Highland avenue.
Somerville avenue, 6-inch Holyoke, 194 feet west from Spring street.
Somerville avenue, 6-inch Holyoke, 77 feet west from Belmont street.
Spring street, 6-inch Holyoke, 10 feet south from Pitman street.
Summer street, 4-inch B. M., 16 feet west from Laurel street.
Summer street, 4-inch B. M., 59 feet east from Central street.
Summer street, 4-inch B. M., 217 feet east from Harvard street.
Summer street, 4-inch B. M., east corner Belmont street.
Summer street, 6-inch B. M., opposite Craigie street.
Summer street, 6-inch Holyoke, 24 feet east from Linden avenue.
Summer street, 6-inch P. & C., west corner Gordonia road.
Summer street, 6-inch P. & C., opposite Banks street.
Sycamore street, 6-inch Holyoke, 175 feet south from Medford street.
Tower street, 6-inch Holyoke, 13 feet north from Crown street.
Veazie street, 6-inch Holyoke, opposite James street.
Wallace street, 6-inch Holyoke, corner Holland street.
Wallace street, 6-inch Holyoke, 694 feet south from Broadway.
Walter street, 6-inch Holyoke, 20 feet west from Walnut street.
Walter street, 4-inch Bigelow, 50 feet west from Bradley street.
Washington street, 6-inch B. M., 190 feet east from Parker street.
Winter street, 6-inch Holyoke, 120 feet east from Holland street.
Woodbine street, 6-inch P. & C., 221 feet west from Centre street.
Wyatt street, 4-inch B. M., 322 feet east from Washington street.

Nine 6-inch P. & C. hydrants have also been set by the North Packing & Provision Co. in their yard for fire protection.

MAINTENANCE.

The following changes have been made in the kind and location of hydrants : —

Avon street, 6-inch Pratt & Cady hydrant, set in place of 4-inch Boston Mach., removed from same location.

Beech street, 6-inch Pratt & Cady hydrant, set 30 feet east from Spring street, to replace 4-inch Boston Mach. hydrant, removed from corner Spring street.

Elm street, 6-inch Holyoke hydrant, set 56 feet west from Craigie street, to replace 4-inch Bigelow hydrant, removed from 275 feet west from Craigie street.

Elm street, 6-inch Holyoke hydrant, set 28 feet east from Linden ave., to replace 4-inch Holyoke hydrant, removed from corner Linden ave.

Elm street, 6-inch Holyoke hydrant, set 109 feet west from Cherry street, to replace 4-inch Holyoke, removed from 6 feet west from Cherry street.

Elm street, 6-inch Holyoke hydrant, set 104 feet east from Willow ave., to replace 4-inch Boston Mach. hydrant, removed from 58 feet east from Willow ave.

Harvard street, 6-inch Pratt & Cady hydrant, set 13 feet north from Beech street, to replace 4-inch Boston Mach., removed from same location.

Highland ave., 6-inch Holyoke hydrant, set 260 feet west from Walnut street, to replace 4-inch Bigelow, removed from 88 feet east from Vinal ave.

Highland ave., 8-inch Chapman hydrant, set 44 feet east from Putnam street, to replace 6-inch Holyoke hydrant, removed from 73 feet west from Vinal ave.

Highland ave., 6-inch Holyoke hydrant, set 47 feet west from Prescott street, to replace 4-inch Boston Mach., removed from west corner Prescott street.

Highland ave., 6-inch Holyoke hydrant, set 409 feet west from School street, to replace 4-inch Holyoke hydrant, removed from 318 feet west from School street.

Highland ave., 6-inch Holyoke hydrant, set 115 feet west from Trull lane, to replace 4-inch Bigelow hydrant, removed from 114 feet east from Sycamore street.

Highland ave., 6-inch Holyoke hydrant, set 171 feet east from Central street, to replace 4-inch Boston Mach. hydrant, removed from corner Central street.

Irving street, 6-inch Holyoke hydrant, set 357 feet north from Holland street, to replace 4-inch Boston Mach. hydrant, removed from 400 feet north from Holland street.

Lincoln ave., 6-inch Holyoke hydrant, set opposite George street, to replace 4-inch Boston Mach. hydrant, removed from same location.

Loring street, 6-inch Coffin hydrant, set 282 feet north from Somerville ave., to replace 4-inch flush hydrant, removed from 280 feet north from Somerville ave.

Marshall street, 6-inch Pratt & Cady hydrant, set opposite Howe street, to replace 4-inch Boston Mach. hydrant, removed from same location.

Somerville ave., 6-inch Holyoke hydrant, set 61 feet east from Spring street, to replace 6-inch Holyoke hydrant, removed from corner Spring street.

Somerville ave., 6-inch Holyoke hydrant, set 112 feet west from Lowell street, to replace 6-inch Holyoke hydrant, removed from corner Lowell street.

Summer street, 4-inch Boston Mach. hydrant, set 53 feet west from Harvard street, to replace 4-inch Bigelow hydrant, removed from corner Harvard street.

Summer street, 4-inch Holyoke hydrant, set 35 feet east from Porter street, to replace 4-inch Holyoke, removed from corner Porter street.

Thurston street, 6-inch Holyoke hydrant, set corner Evergreen ave., to replace 4-inch Boston Mach. hydrant, removed from same location.

Webster street, 6-inch Holyoke hydrant, set corner Rush street, to replace 6-inch Coffin hydrant, removed from same location.

Hydrants in Adrian street, Chauncy avenue, Curtis street, Hammond street, Jay street, Linden avenue, Webster avenue, have been taken out for repairs, and other hydrants of the same make and size set in their old locations.

Fourteen hydrants have been removed for repairs, and reset; 21 have been repaired at the shop and fitted with new valves, bolts, etc. All have been thoroughly oiled, and have received necessary attention.

RECAPITULATION.

Number of public hydrants set in 1894	.	.	.	.	88
Number of private hydrants set in 1894	.	.	.	.	9
Total number of hydrants set in 1894	.	.	.	.	97
Number of public hydrants removed in 1894	.	.	.	.	23

Net increase in number of hydrants in 1894	.	.	.	74
“ “ public hydrants in 1894	.	.	.	65
“ “ private hydrants in 1894	.	.	.	9
Total number of hydrants in the city	.	.	.	642
“ public hydrants in the city	.	.	.	607
“ private hydrants in the city	.	.	.	35
One hundred and one hydrants are on the high service.				

TABLE SHOWING THE LOCATION OF HYDRANTS,
DECEMBER 31, 1894.

Adams street, corner of Broadway.
 Adams street, 240 feet south of Broadway.
 Adams street, 300 feet north of Medford street.
 Adams street, 10 feet north from Medford street.
 Adrian street, 106 feet east of Marion street.
 Adrian street, 220 feet south of Joseph street.
 Allen street, 9 feet north of Charlestown street.
 Albion street, 78 feet west of Central street.
 Albion street, 312 feet west of Central street.
 Albion street, 234 feet east of Lowell street.
 Albion street, 421 feet east of Cedar street.
 Aldersey street, 200 feet west of Walnut street.
 Alpine street, 280 feet east of Cedar street.
 Alpine street, 670 feet east of Cedar street.
 Allston street, 12 feet west of Shawmut place.
 Ames street, 133 feet west from Central street.
 Appleton street, corner of Clifton street.
 Appleton street, 39 feet west of Willow avenue.
 Arthur street, 29 feet south of Broadway.
 Auburn avenue, 519 feet west of Cross street.
 Austin street, 82 feet south of Mystic avenue.
 Austin street, 66 feet north of Benedict street.
 Avon street, 233 feet east from Central street.
 Avon street, 585 feet west of School street.
 Bartlett street, 230 feet south from Broadway.
 Bartlett street, 15 feet south from Ames street.
 Bartlett street, 10 feet south from Robinson street.
 Beacon street, 300 feet east of west end of street.
 Beacon street, 84 feet east of Harris street.

Beacon street, 46 feet west of Sacramento street.
Beacon street, 15 feet west of Kent street.
Beacon street, corner of Ivaloo street.
Beacon street, 72 feet east of Park street.
Beacon street, 22 feet east of Durham street.
Beacon street, 260 feet east of Washington street.
Beacon street, 219 feet west of Cooney street.
Beacon street, 222 feet west of Buckingham street.
Beech street, 4 feet south from Atherton street.
Beech street, 31 feet east from Spring street.
Belmont street, 554 feet south of Highland avenue.
Belmont street, 228 feet north of Pitman street.
Belmont street, 255 feet north of Summer street.
Benedict street, 34 feet east of Mystic street.
Berkeley street, 8 feet east of Central street.
Berkeley street, 213 feet east of Hersey street.
Berkeley street, 28 feet west of School street.
Berkeley street, 212 feet west of Hersey street.
Billingham street, 129 feet north of William street.
Bonair street, opposite Autumn street.
Bonair street, 62 feet east of Walnut street.
Bonner avenue, opposite Homer square.
Boston street, 90 feet west of Bigelow street.
Boston street, 213 feet east of Bigelow street.
Boston street, 4 feet north of High street.
Bow street, 125 feet west of Union square.
Bow street, junction of Summer street.
Bow street, opposite Bow street place.
Bowdoin street, 68 feet north of Fremont avenue.
Bradley street, 26 feet south from Veazie street.
Brastow avenue, 200 feet east of Porter street.
Broadway, 50 feet east of Mt. Pleasant street.
Broadway, 28 feet west of George street.
Broadway, 21 feet west of Broadway place.
Broadway, corner of Glen street.
Broadway, 15 feet west of Cross street.
Broadway, 33 feet west of Walnut street.
Broadway, 250 feet west of Edmands street.
Broadway, 174 feet west of Grant street.

Broadway, opposite Marshall street.
Broadway, corner of School street.
Broadway, opposite School street.
Broadway, corner of Thurston street.
Broadway, 240 feet east of Central street.
Broadway, 13 feet west of Norwood avenue.
Broadway, 324 feet west of Hinckley street.
Broadway, 424 feet west of Hinckley street.
Broadway, opposite Cedar street.
Broadway, 180 feet west of Wilson avenue.
Broadway, 40 feet west of Packard avenue.
Broadway, 180 feet east of Endicott avenue.
Broadway, 175 feet east of North street.
Broadway, 415 feet west of North street.
Broadway, east corner of Mt. Vernon street.
Broadway, west corner of Franklin street.
Brook street, 18 feet west of Rush street.
Buckingham street, west corner of Dimick street.
Bennett street, 150 feet east of Prospect street.
Cameron avenue, opposite Mead street.
Cameron avenue, 438 feet south of Mead street.
Cedar street, 289 feet north of Elm street.
Cedar street, 90 feet north of Sartwell avenue.
Cedar street, 50 feet north of Hall street.
Cedar street, 14 feet north of Highland avenue.
Cedar street, 14 feet north of Albion street.
Cedar street, 124 feet south of Warwick street.
Cedar street, 50 feet north of Clyde street.
Cedar street, 24 feet south of Murdock street.
Cedar street, 270 feet south of Broadway.
Central street, 75 feet south of Broadway.
Central street, 6 feet north of Forster street.
Central street, 9 feet north of Vernon street.
Central street, 200 feet south of Vernon street.
Central street, 8 feet north of Albion street.
Central street, corner of Summer street.
Chandler street, 16 feet south of Broadway.
Chandler street, 216 feet north of Park avenue.
Charnwood road, 100 feet east of Gordonia road.

Chauncey avenue, 9 feet north of Jaques street.
Chester street, 15 feet north of Chester place.
Chestnut street, 538 feet south of Poplar street.
Chestnut street, 246 feet south of Poplar street.
Church street, 9 feet south of Summer street.
Church street, 327 feet south of Summer street.
Church street, 16 feet south of Somerville avenue.
City stables, east end of yard.
Claremon street, 252 feet south from Holland street.
Clarendon avenue, at Cambridge City ledge (south side).
Clark street, 200 feet west of Newton street.
Clyde street, south corner of Murdock street.
Campbell park, 255 feet west of Meacham street.
Charles street, 183 feet south of Washington street.
Columbus avenue, 150 feet east of Bonner avenue.
Columbus avenue, 123 feet west of Bonner avenue.
Columbus avenue, 35 feet west of Stone avenue.
Columbus avenue, 8 feet east of Walnut street.
Concord avenue, 90 feet east of Concord square.
Concord avenue, opposite Knapp Schoolhouse.
Concord avenue, 30 feet east of Springfield street.
Concord avenue, 20 feet east of Wyatt street.
Conwell avenue, 465 feet west of Curtis street.
Cook street, 74 feet north from Wyatt street.
Cottage avenue, 150 feet east of Russell street.
Craigie street, 216 feet south from Summer street.
Craigie street, 555 feet south of Summer street.
Craigie street, 126 feet north from Somerville avenue.
Crescent street, opposite Hadley street.
Cross street, corner of Otis street.
Cross street, corner of Pearl street.
Cross street, 16 feet north of Gilman street.
Curtis street, 146 feet north of Professors' row.
Curtis street, opposite Raymond avenue.
Curtis street, 100 feet north of Fairmount avenue.
Cutter square, north side.
Cutter street, 290 feet south of Broadway (south line).
Dane street, 9 feet north of Tyler street.
Dane street, 112 feet south of Skehan street.

Dane street, 55 feet north of Skehan street.
Dane court, 510 feet east of Dane street.
Dartmouth street, 312 feet south of Broadway.
Dartmouth street, 57 feet south of Evergreen avenue.
Dartmouth street, 180 feet north of Medford street.
Day street, 3 feet south of Davis square.
Day street, 100 feet south of Herbert street.
Day street, corner of Orchard street.
Dell street, 275 feet west of Glen street.
Delaware street, 270 feet east of Aldrich street.
Derby street, 399 feet east of Temple street.
Dickinson street, 12 feet east of Beacon street.
Dover Street, 205 feet south of Davis square.
Dover street, 129 feet south of Glover circle.
Dover street, 3 feet north of Orchard street.
Durham street, 54 feet south of Hanson street.
Elm street, 56 feet west of Craigie street.
Elm street, west corner of Porter street.
Elm street, 28 feet east from Linden avenue.
Elm street, 11 feet east from Mossland street.
Elm street, 9 feet west of Cedar street.
Elm street, 153 feet east from Cherry street.
Elm street, 110 feet west of Cherry street.
Elm street, 14 feet east from Burnside avenue.
Elm street, 101 feet east of Willow avenue.
Elm street, east corner of St. James avenue.
Elm street, west corner of Elston street.
Elm street, opposite Tenney street.
Elm street, 25 feet west of Russell street.
Elm street, 18 feet west of Grove street.
Elm street, 86 feet west of Chester street.
Elm street, 10 feet north of Winter street.
Elm street, 6 feet south of Morrison street.
Elm street, 69 feet south of William street.
Elm street, opposite Kenwood street.
Elm street, corner of Broadway.
Elmwood street, 450 feet south of Holland street.
Eliot street, corner of Park street.
Endicott avenue, 430 feet south of Broadway.

Evergreen avenue, 8 feet east of School street.
Everett avenue, 200 feet east of Dana street.
Everett street, opposite Emerson street.
Fairmount avenue, 590 feet west of Curtis street.
Farragut avenue, 258 feet south of Broadway.
Farragut avenue, 550 feet south of Broadway.
Fiske avenue, 126 feet east of Hinckley street.
Fitchburg street, 400 feet east of Linwood street.
Flint street, 18 feet east of Flint avenue.
Florence street, 222 feet south of Perkins street.
Florence street, 486 feet north of Washington street.
Forster street, opposite Tennyson street.
Francesca avenue, 305 feet east of Elm street.
Francesca avenue, 7 feet west of Liberty avenue.
Franklin street, 14 feet north of Arlington street.
Franklin street, 80 feet south of Webster street.
Franklin street, 165 feet south of Pearl street.
Franklin street, 87 feet south of Oliver street.
Franklin street, 96 feet south of Palmer avenue.
Franklin street, 29 feet north of Washington street.
Fremont street, 86 feet north of Main street.
Fremont street, 350 feet north of Main street.
Fremont street, 285 feet north from Meacham street.
Frost avenue, opposite American Tube Works.
Fountain avenue, 280 feet west of Glen street.
Garden court, 475 feet south of Somerville avenue.
Gibbens street, 206 feet west of Central street.
Gibbens street, 129 feet west of Benton avenue.
Gilman street, 240 feet east of Walnut street.
Gilman square (southeast side).
Gilman street, 180 feet east of Aldrich street.
Glen street, 9 feet north of Brooks street.
Glen street, corner of Flint street.
Gorham street, 307 feet south from Holland street.
Gorham street, corner of Howard street.
Grand View avenue, 288 feet east of Vinal avenue.
Greene street, 200 feet south of Summer street.
Greenville street, 148 feet north of Boston street.
Greenville street, 33 feet north of High street.

Hall avenue, 200 feet east of Elm street.
Hall avenue, 306 feet west from Liberty avenue.
Hamlet street, 321 feet south of Highland avenue.
Hammond street, 30 feet west of Dickinson street.
Hancock street, 258 feet south of Summer street.
Hanson street, 40 feet north of Skehan street.
Harvard street, 13 feet north of Beech street.
Harvard street, 23 feet north from Harvard place.
Harrison street, 100 feet east of Kent street.
Hawkins street, 50 feet east of Lake street.
Hawthorne street, 139 feet east from Cutter avenue.
Hawthorne street, 340 feet west of Willow avenue.
Heath street, 51 feet west of Temple street.
Heath street, 320 feet west of West street.
Heath street, corner of Bond street.
Heath street, corner of Moreland street.
Henderson street, 159 feet north of Wilton avenue.
Herbert street, 192 feet east of Day street.
High street, 300 feet west of Boston street.
Highland avenue, corner of Medford street.
Highland avenue, corner of Walnut street.
Highland avenue, 260 feet west of Walnut street.
Highland avenue, 41 feet east from Putnam street.
Highland avenue, 47 feet west from Prescott street.
Highland avenue, 114 feet west from School street.
Highland avenue, 410 feet west of School street.
Highland avenue, 115 feet west from Trull lane.
Highland avenue, 171 feet east from Central street.
Highland avenue, 28 feet west of Belmont street.
Highland avenue, 180 feet west of Lowell street.
Highland avenue, corner of Porter street.
Highland avenue, corner of Eastman place.
Highland avenue, 36 feet east of Fanning avenue.
Highland avenue, corner of Willow avenue.
Highland avenue, 6 feet west of Grove street.
Highland avenue, 60 feet east of Davis square.
Holland street, 42 feet west of Dover street.
Holland street, 36 feet east of Winter street.
Holland street, 105 feet west of Irving street.

Holland street, 77 feet east of Elmwood street.
Holland street, 117 feet west of Cameron avenue.
Holland street, 80 feet east of Newbury street.
Homer square, west side of square.
Houghton street, 200 feet east of Springfield street.
Hudson street, 292 feet east of Lowell street.
Hudson street, 8 feet east of Porter street.
Irving street, 6 feet south of Broadway.
Irving street, 300 feet south of Broadway.
Irving street, 537 feet north of Holland street.
Irving street, 183 feet north from Holland street.
James street, 100 feet north of Pearl street.
Jaques street, 9 feet north of Grant street.
Jaques street, 362 feet east of Temple street.
Jaques street, 190 feet west of Temple street.
Jaques street, 300 feet east of Bond street.
Jay street, 90 feet north of Howard street.
Joy street, 36 feet south of Washington street.
Joy street, 440 feet south of Washington street.
Joy street, 285 feet north of Poplar street.
Jenny Lind avenue, corner of Vernon street.
Jenny Lind avenue, 220 feet south from Broadway.
Jenny Lind avenue, 16 feet north of Vernon street.
Jenny Lind avenue, 467 feet north of Vernon street.
Kent court, 285 feet west of Kent street.
Kingman court, 300 feet south of Washington street.
Kingston street, 402 feet west of Meacham street.
Knowlton street, opposite Morton street.
Lake street, 205 feet west of Hawkins street.
Lake street, corner of Carleton street.
Laurel street, 300 feet south of Summer street.
Laurel street, 8 feet north of Park place.
Lawrence street, 9 feet south of Richardson street.
Lincoln street, opposite Arlington street.
Lincoln avenue, 224 feet west of Mt. Vernon street.
Linden street, 33 feet north of Charlestown street.
Linden street, 557 feet south of Somerville avenue.
Linden avenue, 243 feet north of Elm street.
Linden avenue, 550 feet north from Elm street.

Linden avenue, 30 feet north from Olive avenue.
Line street, 500 feet west of Cooney street.
Linwood street, 416 feet south of Washington street.
Linwood street, 225 feet north of Poplar street.
Linwood street, 55 feet south of London street.
Linwood street, corner of Linwood place.
London street, 400 feet east of Linwood street.
Loring street, 273 feet north of Somerville avenue.
Lowell street, corner of Fiske avenue.
Lowell street, 195 feet south of Richardson street.
Lowell street, opposite Vernon street.
Lowell street, 665 feet south of Summer street.
Madison street, 480 feet west of School street.
Main street, 116 feet west of Mt. Vernon avenue.
Main street, corner of Moreland street.
Mansfield street, 200 feet north of Somerville avenue.
Mansfield street, 200 feet south of Washington street.
Maple street, 220 feet east of Medford street.
Maple street, 9 feet north of Poplar street.
Marshall street, 94 feet north from Gilman square.
Marshall street, 30 feet north from Stickney avenue.
Marshall street, opposite Howe street.
Marshall street, corner of Evergreen avenue.
Marshall street, 104 feet south from Mortimer place.
Marshall street, 200 feet south of Broadway.
Malloy court, 16 feet south of Somerville avenue.
Meacham street, corner of Orchard street.
Meacham street, 50 feet south of Glover circle.
Meacham street, at Lowell Railroad fence line.
Meacham street, 13 feet west from Moreland street.
Mead street, 48 feet east from Claremon street.
Medford street, junction of Broadway.
Medford street, 14 feet west from Jenny Lind avenue.
Medford street, 16 feet from corner of Central street.
Medford street, 16 feet east of Sycamore street.
Medford street, 46 feet east of Thurston street.
Medford street, corner of School street.
Medford street, junction of Pearl street.
Medford street, 8 feet east of Greenville street.

Medford street, 13 feet west of Prospect Hill avenue.
Medford street, 34 feet south of Central square.
Medford street, opposite Chester avenue.
Medford street, 236 feet south of Washington street.
Medford street, 78 feet north of Maple street.
Medford street, 21 feet north of Somerville avenue.
Medford street, 98 feet north of Fitchburg R. R.
Medford street, 70 feet south of Fitchburg R. R.
Medford street, 30 feet north of Ward street.
Medford street, 91 feet south of Ward street.
Medford street, 93 feet north of Warren street.
Medford street, 17 feet south of Warren street.
Medford street, 80 feet southeast of Grand Junction R. R.
Merriam street, 42 feet north of Charlestown street.
Melrose street, 600 feet north of Mystic avenue.
Miner street, 142 feet north from Vernon street.
Minnie avenue, 300 feet north from Meacham street.
Mondamin court, junction of Harrison street.
Montrose street, 417 feet west of School street.
Moore street, 21 feet north of Mead street.
Moore street, 22 feet south from Holland street.
Moore street, 332 feet south from Holland street.
Morrison street, 13 feet west of Newbern street.
Morrison street, 195 feet west of Clifton street.
Morrison street, 33 feet west of Grove street.
Mossland street, 112 feet north from Somerville avenue.
Munroe street, 206 feet east from Walnut street.
Murdock street, 200 feet east of Cedar street.
Mt. Vernon avenue, 200 feet north of Heath street.
Mt. Vernon street, 9 feet north of Pearl street.
Mt. Vernon street, corner of Broadway.
Mt. Pleasant street, 276 feet south of Broadway.
Myrtle street, 418 feet north of Washington street.
Myrtle street, 82 feet south of Pearl street.
Mystic avenue, corner of Union street.
Mystic avenue, 200 feet north of North Union street.
Mystic avenue, near Medford line.
Nashua street, 215 feet south of Wilton street.
Newbury street, 570 feet south of Holland street.

Newbury street, 965 feet south of Holland street.
Norfolk street, corner of Webster avenue.
North street, 440 feet north of Raymond avenue.
North street, 190 feet north of City Bound No. 19.
North Union street, 300 feet north of Mystic avenue.
Oak street, 390 feet west of Prospect street.
Oakland avenue, 230 feet west of Marshall street.
Oliver street, 183 feet east of Cross street.
Oliver street, 15 feet east of Glen street.
Orchard street, 9 feet west of Russell street.
Orchard street, corner of Mason avenue.
Orchard street, 9 feet east of Chester street.
Otis street, 9 feet east of Dana street.
Oxford street, 358 feet west of School street.
Oxford street, 100 feet west of Hersey street.
Park avenue, 90 feet west of Elm street.
Park avenue, 10 feet west from Chandler street.
Park street, 69 feet north of Fitchburg R. R.
Park street, 155 feet north of Beacon street.
Partridge avenue, 26 feet north of Medford street.
Partridge avenue, 126 feet south of Medford street.
Partridge avenue, 450 feet south of Medford street.
Partridge avenue, 290 feet north of Vernon street.
Pearl street, corner of Pinckney street.
Pearl street, 69 feet west of Hillside avenue.
Pearl street, 18 feet east of Delaware street.
Pearl street, 9 feet west of Glen street.
Pearl street, 30 feet west of Dana street.
Pearl street, corner of Wigglesworth street.
Pearl street, corner of Walnut street.
Pearl street, 120 feet east of Marshall street.
Perkins street, opposite Myrtle street.
Perkins street, opposite Lincoln street.
Perkins street, 63 feet east of Perkins place.
Perkins street, 21 feet east of Mt. Pleasant street.
Pinckney street, 345 feet south of Pearl street.
Pleasant avenue, 290 feet east of Vinal avenue.
rescott street, 326 feet south of Highland avenue.
Prescott street, 582 feet south of Highland avenue.

Prescott street, 257 feet north of Summer street.
Preston street, 375 feet west of School street.
Poplar street, 21 feet west of Joy street.
Porter street, corner of Mountain avenue.
Porter street, 24 feet north of Williams court.
Professors' row, 140 feet west of College avenue.
Professors' row, 300 feet west of College avenue.
Professors' row, 580 feet west of College avenue.
Professors' row, 188 feet east of Packard avenue.
Professors' row, 305 feet west of Packard avenue.
Prospect Hill avenue, 9 feet north of High street.
Prospect street, 135 feet north of Bennet street.
Prospect street, corner of Webster avenue.
Prospect street, 210 feet south of Oak street.
Putnam street, 116 feet south of Highland avenue.
Putnam street, 425 feet south of Highland avenue.
Putnam street, 608 feet north of Summer street.
Putnam street, 308 feet north of Summer street.
Quincy street, 315 feet south of Summer street.
Quincy street, corner of Somerville avenue.
Richardson street, 12 feet west of Henderson street.
Richdale avenue, opposite Thurston street.
Robinson street, 333 feet west of Central street.
Rogers' avenue, 300 feet north of Morrison avenue.
Rossmore street, 260 feet south of Washington street.
Rush street, 81 feet south of Pearl street.
Sacramento street, 5 feet south from Miller street.
Sanborn avenue, 60 feet east of Walnut street.
Sargent avenue, 36 feet north of Mills street.
School street, 108 feet south of Maple avenue.
School street, 8 feet south of Montrose street.
School street, 128 feet north from Highland avenue.
School street, 88 feet north of Oxford street.
School street, 88 feet north of Avon street.
School street, 100 feet south of Summer street.
School street, 93 feet south of Preston street.
School street, 61 feet north of Knapp street.
Sewall street, 324 feet west of Grant street.
Somerville avenue, 181 feet west of Mossland street.

Somerville avenue, 195 feet east of Beaconstreet bridge.
Somerville avenue, 500 feet east of Beaconstreet bridge.
Somerville avenue, 120 feet west of Elm street.
Somerville avenue, 112 feet west of Lowell street.
Somerville avenue, 77 feet west from Belmont street.
Somerville avenue, 69 feet east from Spring street.
Somerville avenue, opposite Spring street.
Somerville avenue, 195 feet west from Spring street.
Somerville avenue, 13 feet west of Beech street.
Somerville avenue, 9 feet east of Central street.
Somerville avenue, 15 feet west of Laurel street.
Somerville avenue, 100 feet west of Loring street.
Somerville avenue, 113 feet east of Dane street.
Somerville avenue, 185 feet west of Hawkins street.
Somerville avenue, 88 feet west of Quincy street.
Somerville avenue, 105 feet east of Carleton street.
Somerville avenue, 400 feet west of Prospect street.
Somerville avenue, 83 feet west of Prospect street.
Somerville avenue, 30 feet west of Linden street.
Somerville avenue, 12 feet east of Mystic street.
Somerville avenue, 121 feet east of Medford street.
Somerville avenue, 86 feet east of Poplar street.
Somerville avenue, 490 feet west of Fitchburg R. R.
Somerville avenue, 100 feet west of Fitchburg R. R.
Somerville avenue, south side of Fitchburg R. R.
Somerville avenue, 260 feet west of Franklin court.
Somerville avenue, corner of Franklin court.
Somerville avenue, 100 feet west of Cambridge line.
Summer street, 160 feet east of Cutter avenue.
Summer street, west corner of Gordonia road.
Summer street, opposite Banks street.
Summer street, 6 feet east of Cherry street.
Summer street, 6 feet east of Cedar street.
Summer street, 24 feet east from Linden avenue.
Summer street, opposite Craigie street.
Summer street, 35 feet east from Porter street.
Summer street, corner of Lowell street.
Summer street, east corner of Belmont street.
Summer street, corner of Spring street.

Summer street, 53 feet west from Harvard street.
Summer street, 215 feet east from Harvard street.
Summer street, 59 feet east from Central street.
Summer street, 19 feet west from Laurel street.
Summer street, 54 feet east of Preston street.
Summer street, 200 feet west of School street.
Summer street, 8 feet east of School street.
Summer street, opposite Putnam street (east line).
Summer street, 6 feet west of Vinal avenue (west line).
South street, 234 feet west of Medford street.
South street, corner of Emery street.
South street, corner of Earle street.
Spring street, 10 feet south from Pitman street.
Springfield street, 140 feet south of Concord avenue.
Springfield street, 21 feet south of Dickinson street.
Springfield street, 120 feet north of Cambridge line.
Summit avenue, 120 feet west of Walnut street.
Sunnyside avenue, 105 feet west of Wigglesworth street.
Sycamore street, 18 feet south of Broadway.
Sycamore street, 360 feet south of Broadway.
Sycamore street, corner of Forster street.
Sycamore street, 213 feet north of Medford street.
Sycamore street, 174 feet south from Medford street.
Stickney avenue, 212 feet west of Marshall street.
Sydney street, 412 feet east of Temple street.
Talbot avenue, corner of Packard avenue.
Temple street, 53 feet north of Jaques street.
Tenney court, 318 feet north of Mystic avenue.
Thurston street, 6 feet north of Evergreen avenue.
Tower street, 16 feet north from Crown street.
Tremont street, corner of Webster avenue.
Trull street, 264 feet north of Vernon street.
Tufts street, 75 feet north of Washington street.
Tufts street, 48 feet west of Glen street.
Tufts street, 54 feet east of Cross street.
Thorndike street, 10 feet south of Boston & Lowell R. R.
Thorpe place, 280 feet south of Highland avenue.
Tyler street, 50 feet east of Vine street.
Union square, corner of Washington street.

Union square, west side of square.
Veazie street, opposite James street.
Vernon street, 75 feet west of Partridge avenue.
Vinal avenue, 129 feet north of Aldersey street.
Vinal avenue, 219 feet north of Summer street.
Vinal avenue, corner of Highland avenue.
Vine street, 180 feet north of Beacon street.
Virginia street, 45 feet west of Aldrich street.
Wallace street, 40 feet south of Broadway.
Wallace street, 480 feet south of Broadway.
Wallace street, 694 feet south from Broadway.
Wallace street, 175 feet north of Park avenue.
Wallace street, 10 feet north of Holland street.
Walnut street, 38 feet south of Veazie street.
Walnut street, 92 feet south of Wellington avenue.
Walnut street, 36 feet north of Pleasant avenue.
Walnut street, 12 feet south of Boston street.
Walter street, 28 feet west from Walnut street.
Walter street, 50 feet west from Bradley street.
Ward street, 84 feet west of Medford street.
Ward street, corner of Emery street.
Ware street, 258 feet west of Curtis street.
Warren avenue, corner of Sanborn avenue (north side).
Warren avenue, 75 feet south of Columbus avenue.
Warren avenue, 175 feet north of Bow street.
Warwick street, 420 feet east of Cedar street.
Washington street, 69 feet west of Crescent street.
Washington street, corner of Mt. Vernon street.
Washington street, corner of Florence street.
Washington street, corner of Myrtle street.
Washington street, 15 feet west of Myrtle street.
Washington street, 20 feet east of Franklin avenue.
Washington street, 50 feet east of Shawmut street.
Washington street, 100 feet east of Rossmore street.
Washington street, 84 feet east of Boston street.
Washington street, 75 feet west of Mystic street.
Washington street, corner of Clark place (west side).
Washington street, opposite Union square.
Washington street, 6 feet east of Kingman court.

Washington street, 240 feet east from Parker street.
 Washington street, 96 feet west of Parker street.
 Washington street, 9 feet east of Leland Street.
 Washington street, 186 feet west of Dane street.
 Washington street, 45 feet east of Beacon street.
 Webster avenue, 96 feet south of Union square.
 Webster avenue, 12 feet south of Everett street.
 Webster avenue, 25 feet north of Newton street.
 Webster avenue, 63 feet north of Prospect street.
 Webster avenue, 275 feet south of Prospect street.
 Webster street, 9 feet east of Rush street.
 Webster street, 12 feet west of Cutter street.
 Wellington avenue, west of Montgomery avenue.
 Wheatland street, 135 feet north of Broadway.
 Wheatland street, 9 feet south of Jaques street.
 Wheatland street, 100 feet south of Mystic avenue.
 Wigglesworth street, corner of Otis street.
 Willow avenue, 12 feet north of Summer street.
 Willow avenue, 250 feet north of Highland avenue.
 Willow avenue, 66 feet south of Morrison street.
 Winter street, 130 feet east from Holland street.
 Winter Hill circle, 200 feet north of Broadway.
 West street, corner of Highland avenue.
 West street, 144 feet north of Highland avenue.
 Wilton street, 6 feet east of Nashua street.
 Wilton street, 12 feet east of Lawrence street.
 Winslow avenue, 66 feet east of Villa avenue.
 Woodbine street, 222 feet west from Centre street.
 Wyatt street, 42 feet west of Cook street.
 Wyatt street, 324 feet east from Washington street.

PRIVATE HYDRANTS.

John P. Squire	.	.	.	.	.	.	.	7
North Packing Co.	.	.	.	.	.	.	.	11
McLean Asylum	.	.	.	.	.	.	.	4
Middlesex Bleachery	.	.	.	.	.	.	.	3
American Tube Works	.	.	.	.	.	.	.	2
Union Glass Works	.	.	.	.	.	.	.	1
Fitchburg R. R.	.	.	.	.	.	.	.	1
New England Dressed Meat and Wool Company	.	.	.	.	.	.	.	6

GATES.

EXTENSION.

New gates have been set in the following locations : —

Adrian street, 6-inch, south side, 120 feet north from Marion street.

Bradley street, 6-inch, south line of Walter street, 13 feet out, east side.

Bartlett street, 6-inch, south line of Broadway, 13 feet out, west side.

Centre street, 6-inch, north line of Albion street, 13 feet out, west side.

Chandler street, 6-inch, north line of Park avenue, 13 feet out, west side.

Cottage avenue, 6-inch, north line of Orchard street, 13 feet out.

Cutter avenue, 6-inch, south line of Highland avenue, 12 feet out, east side.

Elm place, 4-inch, west line Harvard street, north side, $8\frac{1}{2}$ feet out.

Francesca avenue, 8-inch, west line of Liberty avenue, 13 feet out, north side.

Fremont street, 6-inch, west side, 188 feet south from north line of Meacham street, and 16 feet out.

Hancock street, 8-inch, east side, on south line Summer street, 13 feet out.

Harvard street, 8-inch, north side, $13\frac{1}{2}$ out, and $16\frac{3}{4}$ feet north from south line of Beech street.

Hawthorne street, 6-inch, east line of Cutter avenue, 10 feet out from south side.

Jenny Lind avenue, 6-inch, south line of Broadway, 13 feet out on west side.

Kent street, 12-inch, south line Somerville avenue, 13 feet out on east side.

Lexington avenue, 4-inch, 21 feet out from south line of Lexington avenue, and 26 feet east from east line of Fanning avenue (for blow-off).

Linden avenue, 4-inch, north line of Summer street, 13 feet out on west side.

Marshall street, 10-inch, south line of Mortimer place, $13\frac{2}{3}$ feet out on east side.

Meacham street, 8-inch, east line of Fremont street, 13 feet out on north side.

Mead street, 6-inch, west line of Claremon street, 13 feet out on north side.

Medford street, 12-inch, west line of Hennessey court, $25\frac{1}{2}$ feet out on south side.

Minnie avenue, 6-inch, 8 feet north from north line of Meacham street, 13 feet out on east side.

Moreland street, 6-inch, north line of Meacham street, 13 feet out on east side.

Orchard street, 8-inch, west line of Chester street, $13\frac{2}{3}$ feet out on south side.

Pembroke street, 6-inch, west line of Sycamore street, 13 feet out on south side.

Richdale avenue, 6-inch, east line of Sycamore street, $12\frac{1}{2}$ feet out on south side.

Staniford terrace, 6-inch, north line of Beacon street, $8\frac{1}{3}$ feet out on east side.

Staniford terrace, 4-inch, 148 feet north from north line of Beacon street, and 10 feet out on east side (for blow-off).

Summer street, 10-inch, west line of Cherry street, 16 feet out on north side.

Sycamore street, 6-inch, south line of Medford street, 13 feet out on east side.

Tower street, 8-inch, south line of Highland avenue, 13 feet out on east side.

Vernon street, 4-inch, 20 feet north from east line of Jenny Lind avenue, and 17 feet out on north side.

Veazie street, 6-inch, east line of Bradley street, 13 feet out on north side.

Wallace street, 8-inch, south line of Broadway, $14\frac{1}{2}$ feet out on west side.

Walter street, 6-inch, west line of Walnut street, 13 feet out on north side.

Walter street, 6-inch, east line of Mortimer place, 13 feet out on north side.

Walter place, 6 inch, east line of Walter street, 13 feet out on east side.

Walter place, 4-inch, $187\frac{1}{2}$ feet south from Walter street, and 13 feet out on east side (for blow-off).

Wheeler street, 4-inch, west line of Pinckney street, 13 feet out on east side.

Wheeler street, 4-inch, east line of Mt. Vernon street, 13 feet out on east side.

MAINTENANCE.

The following changes have been made in the size and location of main gates :—

Adams street, 8-inch gate, set on north line of Medford street, in place of 4-inch gate removed from same location.

Adams street, 4-inch gate, removed from 409 feet north from Medford street.

Ashland street, 6-inch gate, set on south line of Summer street, 11 feet out on east side, in place of 4-inch removed.

Beech street, 6-inch gate, set on north line of Somerville avenue, 12 feet out on east side, in place of 4-inch removed.

Beech street, 8-inch gate, set on west line of Harvard street, 13 feet out, in place of 4-inch gate removed.

Belmont street, 8-inch gate, set on north line of Somerville avenue, 13 feet out on west side, in place of 4-inch gate removed.

Central street, 12-inch gate, set on south line of Highland avenue, 14½ feet out on east side, in place of 12-inch gate removed from centre of Highland avenue.

Cherry street, 6-inch gate, set on north line of Elm street, 14 feet out on east side, in place of 4-inch gate removed.

Cherry street, 8-inch gate, set on north line of Summer street, 13 feet out on east side, in place of 4-inch gate removed.

Cherry street, 8-inch gate, set on south line of Summer street, 15½ feet out on east side, to replace 4-inch gate removed.

Claremon street, 6-inch gate, set on south line of Holland street, 13 feet out on east side, to replace 4-inch gate removed.

Craigie street, 8-inch gate, set on north line of Elm street, 14 feet out on west side, to replace 4-inch gate removed.

Craigie street, 8-inch gate, set on south line of Summer street, 14½ feet out on west side, to replace 4-inch gate removed.

Craigie street, 4-inch gate, removed from old main, 300 feet north from Somerville avenue.

Elm street, 12-inch gate, set 1 foot west from east line of Linden avenue, 22 feet out on north side, to replace 6-inch gate removed.

Elm street, 12-inch gate, set on west line of Cherry street, 18½ feet out on north side, to replace 6-inch gate removed.

Elm street, 6-inch gate, removed from old main on west line of Craigie street.

Elm street, 6-inch gate, removed from old main on east line Willow avenue.

Evergreen avenue, 6-inch gate, set on west line of Marshall street, 12½ feet out on north side, to replace 4-inch gate removed.

Harvard street, 8-inch gate, set on south line of Summer street, 13 feet out on west side, to replace 6-inch gate removed.

Harvard street, 8-inch gate, set on north line of Beech street, 13½ feet out on west side, to replace 6-inch gate removed.

Harvard street, 6-inch gate, removed from old main on south line of Elm place.

Highland avenue, 12-inch gate, set on east line of Putnam street, 21 feet out on north side, to replace 8-inch gate removed from Walnut street.

Highland avenue, 12-inch gate, set on east line of Trull lane, 21 feet out on north side, to replace 8-inch gate removed.

Highland avenue, 12-inch gate, 18 feet west from east line of Central street, 21 feet out on north side, to replace 8-inch gate removed.

Highland avenue, 12-inch gate, set on by-pass at Central street, to replace 8-inch gate removed.

Highland avenue, 8-inch gate, removed from old main on east line of School street.

Howe street, 6-inch gate, set on west line of Marshall street, 12 feet out on north side, to replace 4-inch removed.

Irving street, 8-inch gate, set on north line of Holland street, 15 feet out on west side, to replace 6-inch gate removed.

Irving street, 8-inch gate, set on north line of house No. 52, 14½ feet out on west side, to replace 6-inch removed from same location.

Lowell street, 8-inch gate, set 1 foot south from north line of Summer street, 13 feet out on west side, to replace 6-inch gate removed.

Linden avenue, 8-inch gate, set on south line of Summer street, 13 feet out on west side, to replace 4-inch gate removed.

Linden avenue, 8-inch gate, set on north line of Elm street, 13 feet out on west side, to replace 4-inch gate removed.

Marshall street, 10-inch gate, set on south line of Mortimer place, 12⅔ out on east side, to replace 6-inch gate removed from north line of Mortimer place.

Moore street, 6-inch gate, set on south line of Holland street, 13 feet out on east side, to replace 4-inch gate removed.

Mossland street, 12-inch gate, set on south line of Elm street, 13 feet out on west side, to replace 4-inch gate removed from same location.

Park avenue, 6-inch gate, set on east line of Wallace street, 13 feet out on north side, to replace 4-inch gate removed.

Park avenue, 6-inch gate, set on west line of Elm street, 13 feet out on north side, to replace 4-inch gate removed.

Pitman street, 6-inch gate, set on west line of Beech street, 10 feet out on south side, to replace 4-inch gate removed.

Pitman street, 6-inch gate, set on east line of Spring street, 10 feet out on south side, to replace 4-inch gate removed.

Porter street, 8-inch gate, set on north line of Elm street, 13 feet out on west side, to replace 4-inch gate removed.

Porter street, 8-inch gate, set on south line of Summer street, 14 feet out on west side, to replace 4-inch gate removed.

Sacramento street, 12-inch gate, set on south line of Somerville avenue, 13 feet out on west side, to replace 6-inch gate removed.

School street, 10-inch gate, set on north line of Highland avenue, 16⅔ feet out on west side, to replace 4-inch gate removed.

Somerville avenue, 12-inch gate, set on east line of Sacramento street, 21 feet out on north side, to replace 6-inch gate removed from west line of Sacramento street.

Spring street, 8-inch gate, set on north line of Somerville avenue, 13 feet out on west side, to replace 4-inch gate removed.

Summer street, 10-inch gate, set 2 feet east from east line of Spring street, $16\frac{2}{3}$ feet out on north side, to replace 6-inch gate removed.

Summer street, 10-inch gate, set on east line of Central street, $12\frac{1}{3}$ feet out on north side, to replace 6-inch gate removed.

Summer street, 6-inch gate, removed from old main on west line of Central street.

Summer street, 10-inch gate, set $3\frac{2}{3}$ feet west from west line of Belmont street, $16\frac{2}{3}$ feet out on north side, to replace 6-inch gate removed.

Summer street, 10-inch gate, set on west line of Porter street, 16 feet out on north side, to replace 6-inch gate removed.

Summer street, 10-inch gate, set on west line of Cedar street, 16 feet out on north side, to replace 6-inch gate removed.

Summer street, 10-inch gate, set on east line of Cedar street, 16 feet out on north side, to replace 6-inch gate removed.

Wallace street, 8-inch gate, set on north line of Holland street, $14\frac{1}{2}$ feet out on west side, to replace 6-inch gate removed.

Wallace street, 8-inch gate, set opposite house No. 52, 13 feet out on west side, to replace 6-inch gate removed.

Winter street, 6-inch gate, set on west line of Elm street, 11 feet out on south side, to replace 4-inch gate removed.

Winter street, 6-inch gate, set on east line of Holland street, 11 feet out on south side, to replace 4-inch gate removed.

RECAPITULATION.

GATES.	SIZE.					
	4-INCH.	6-INCH.	8-INCH.	10-INCH.	12-INCH.	TOTAL.
Set.....	8	34	26	10	12	9
Removed.....	28	22	6	0	1	57

Net increase in number of gates in 1894, 33.

Total number of gates in the city Dec. 31, 1894, 787.

SERVICES.

Service pipes, by the rule adopted early in the year, are now laid by the city only from the street main to the property line, thus largely reducing, from former years, the number of feet run by the city.

The following table shows the size, number and length of these laid in 1894 :

	SIZE.	NUMBER.	LENGTH.
	3"	1	21 feet.
	2"	2	49 "
	1"	3	121 "
	3/4"	355	7,537 "
Total.....		361	7,728 feet.

Total number of service pipes now in the city, eight thousand, one hundred and fifty-seven.

Total length of pipe used, fifty-three miles, three thousand, nine hundred and eleven feet.

Repairs were made on one hundred and seventy-nine services ; fish cleared from thirty-four ; sediment removed from thirty-one ; two hundred and forty-three service boxes were found in decayed condition and were replaced by new iron boxes ; two hundred and fifty boxes were brought up to grade. Eleven services were replaced by new ones, the expense, \$186.53, being borne by the owners ; ten were replaced by new ones at the expense of the city. Water was turned off and on for repairs one hundred and nineteen times, and a charge of \$1.00 for each time was made for this work.

BURSTS ON CEMENT MAINS.

The usual results have occurred from the rapidly deteriorating cement pipes still in the city streets, and we have to record the following bursts for 1894 :

	SIZE OF PIPE.							TOTAL.
	1-INCH.	4-INCH.	6-INCH.	8-INCH.	10-INCH.	12-INCH.	16-INCH	
Number of bursts.....	1	15	14	5	1	1		37
Number of leaks.....			4	1			1	6

STANDPIPES.

Three new standpipes were set in 1894, in the following locations : Elm street, near Burnside avenue ; Elm street, opposite Kenwood street, and Holland street, near Elmwood street. One was removed from Elm street, near Broadway, making a net increase in the city of two, and a total number of thirty-eight. All are in good condition, having received the usual renewals of boxes, valves, hose, and general repairs.

LOCATIONS OF STANDPIPES.

Beacon street, opposite Cooney street.
Beacon street, near Sacramento street.
Broadway, near corner of Franklin street.
Broadway, opposite Broadway park.
Broadway, corner of Clarendon avenue.
Concord avenue, corner of Marion street.
Elm street, near Burnside avenue.
Elm street, near Morrison street.
Elm street, opposite Kenwood street.
Highland avenue, corner of Medford street.
Highland avenue, corner of Central street.
Highland avenue, near Willow avenue.
Holland street, near Elmwood street.
Linwood street, near Poplar street.
Main street, near Broadway.
Medford street, corner of Lee street.
Medford street, near Magoun square.
Mystic avenue, corner of Union street.
Pearl street, corner of Walnut street.
Pearl street, near Delaware street.
Pinckney street, corner of Pearl street.
Putnam street, corner of Summer street.
School street, near Broadway.
Somerville avenue, near East Cambridge line.
Somerville avenue, near Poplar street.
Somerville avenue, corner of Mystic street.
Somerville avenue, near School street.
Somerville avenue, corner of Beacon street.
Spring street, near Somerville avenue.
Summer street, opposite Laurel street.
Summer street, corner of Cedar street.
Summer street, corner of Elm street.
Tufts street, corner of Cross street.
Vinal avenue, near Highland avenue.

Washington street, corner of Myrtle street.
 Washington street, corner of Boston street.
 Washington street, near Union square.
 Washington street, opposite Leland street.

DRINKING FOUNTAINS.

One new drinking fountain was set in 1894, the location being in Russell square. The total number now in the city is nine, located as below. All were cleaned regularly during the summer months, and are in good repair.

LOCATION OF DRINKING FOUNTAINS.

Broadway, opposite Broadway park.
 Highland avenue, corner of Walnut street.
 Gilman square, in centre.
 Somerville avenue, junction with Washington street.
 Union square, in front of Hill building.
 Broadway, north side of Magoun square.
 Davis square, in centre.
 Davis square, in front of Medina building.
 Russell square, junction of Broadway and Holland street.

STOCK ON HAND JANUARY 1, 1895.

Cast-Iron Pipe	value \$3,383.76
Special Castings	1,676.10
Gates	364.00
Hydrants	300.00
Service Material	330.21
Sundry Material	115.95

TOOLS AND FURNITURE.

Special Patterns	value \$1,200.00
Tools and Machinery	1,176.05
Stable Department	1,500.00
Office Furniture	539.00
Pumping Station Furniture	200.00

In closing, the Superintendent takes this opportunity to thank the members of the Water Board for their support and co-operation in the work of the department.

Respectfully submitted,

NATHANIEL DENNETT,
Superintendent.

REPORT OF THE ENGINEER OF THE PUMPING STATION.

HIGH SERVICE PUMPING STATION, }
SOMERVILLE, Dec. 31, 1894. }

TO THE SOMERVILLE MYSTIC WATER BOARD : —

Gentlemen,— The fifth annual report of the work performed by the High Service pump is as follows : —

Number of days on which the pump was run	365
Number of runs made	732
Total pumping time, in hours	2,129
Average pumping time per day, in hours	$5\frac{83}{100}$
Average number of revolutions per minute	$27\frac{80}{100}$
Number of tons of coal consumed	282
Total gallons of water pumped	170,496,000
Average steam pressure	40 lbs.
Average back water pressure	36 lbs.

There have been no breaks or accidents during the year, and the boilers and machinery are in good condition.

Respectfully submitted,

SIDNEY E. HAYDEN, *Engineer.*

REPORT
OF THE
BOARD OF HEALTH.

CITY OF SOMERVILLE.

IN BOARD OF ALDERMEN, February 13, 1895.

Referred to Committee on Printing, to be printed in the Annual Reports.
Sent down for concurrence.

GEORGE I. VINCENT, *Clerk*.

IN COMMON COUNCIL, February 13, 1894.

Referred to Committee on Printing, to be printed in the Annual Reports,
in concurrence.

CHAS. S. ROBERTSON, *Clerk*.

CITY OF SOMERVILLE.

OFFICE OF THE BOARD OF HEALTH, }
CITY HALL, January 1, 1895. }

TO HIS HONOR, THE MAYOR, AND THE CITY COUNCIL: —

Gentlemen,— We respectfully submit the following as the seventeenth annual report of the Board of Health, in which is presented a statement, tabulated and otherwise, of the sanitary condition of the city and the business of the Board for the year ending December 31, 1894.

ORGANIZATION.

Chairman, Dr. Thomas M. Durell.

Clerk, William P. Mitchell.

Agent, Caleb A. Page.

NUISANCES.

A record of nuisances abated during the year, in compliance with notices issued by the Board, or under the Board's direction, is presented in the following table, under the head of months when the complaints were made:—

NUISANCES ABATED IN THE YEAR 1894.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
Cellar damp	7	2	3	..	..	1	2	1	1	..	..	2	19
Cesspool offensive	3	..	..	1	4	..	..	..	..	..	1	1	10
Cesspool overflowing	2	..	..	1	5	..	2	..	..	..	1	1	12
Connections of drainage pipes defective	8	1	2	..	1	..	2	1	1	2	2	1	21
Cow barn offensive . . . . .	..	..	..	..	1	..	..	..	1	..	..	..	2
Decomposed meat offensive . . . . .	..	..	..	..	..	1	..	..	..	..	..	..	1
Drainage defective	5	2	2	1	5	1	5	2	4	..	3	1	31
Drainage emptying into cellar	3	1	2	1	1	2	1	..	1	1	1	1	15
Drainage emptying on surface	6	..	4	2	2	1	2	3	2	1	1	1	25
Drainage not ventilated . . . . .	..	1	..	..	..	..	..	..	..	..	..	1	2
Drain-pipe defective	6	..	2	..	1	..	3	1	1	1	1	1	17
Hennerly offensive	2	..	..	..	..	2	1	..	1	..	2	2	10
Hens kept in cellar	1	1	1	..	..	1	1	..	..	..	..	..	5
Horse shed offensive . . . . .	..	..	..	..	..	..	1	..	..	..	..	..	1
Manure exposed and offensive	2	..	2	3	1	5	4	2	2	1	2	1	25
Manure-pit defective	1	1	2	2	..	1	1	..	1	..	..	1	10
Manure-pit too close to house	2	..	1	..	..	1	2	..	1	..	..	1	8
Offal on land	1	1	..	..	1	1	2	1	..	..	..	1	8
Offensive odor in and about dwellings	5	..	..	2	1	..	5	..	1	..	1	1	16
Opening in drain-pipe in cellar	2	1	5	1	4	3	1	..	1	1	..	..	19
Pigs kept without license	3	..	..	..	..	..	3	..	..	..	..	..	6
Premises filthy	2	..	..	1	1	2	..	1	1	..	1	1	10
Premises untidy	6	2	4	3	3	4	2	3	2	1	2	2	34
Privy-vault defective	16	..	3	2	4	1	1	..	..	..	..	..	27
Privy-vault full	26	1	5	10	9	3	4	1	3	..	..	2	64
Privy-vault offensive	38	3	12	14	17	8	46	20	9	2	..	4	173
Rubbish in cellar	2	..	..	2	..	1	2	1	1	..	..	..	9
Rubbish under stable	1	..	..	..	..	1	1	..	..	..	..	..	3
Sewage flowing under floor	2	1	..	1	3	..	2	1	1	..	..	1	12
Sewer-gas in house	4	1	..	..	1	2	3	1	2	1	..	..	15
Slops thrown on surface	1	..	..	..	..	..	..	1	1	..	..	..	3
Stable infected with glanders	1	2	3	..	3	2	1	..	2	1	3	..	18
Stable infected with tuberculosis . . . . .	..	..	1	..	..	..	..	..	..	..	..	..	1
Stable and stable premises filthy and offensive	2	..	2	2	1	3	1	..	1	..	..	..	12
Stable without drainage	5	..	2	3	1	2	3	..	..	..	..	1	17
Stagnant water on surface	4	..	2	..	2	3	2	1	1	..	..	..	15
Waste-pipe defective	6	2	1	..	1	1	3	2	..	..	..	1	17
Waste-pipe not trapped	5	1	1	..	..	..	2	3	1	2	1	1	17
Water-closet defective	6	2	1	..	1	2	6	2	2	1	1	1	25
Water-closet insufficiently supplied with water	4	..	..	..	..	..	1	1	..	..	..	..	6
Water-closet offensive	5	1	1	..	..	3	4	..	1	..	1	1	17
Water in cellar	5	1	1	3	..	2	1	2	1	..	..	1	17
Water under stable	1	..	1	..	..	..	1	..	..	..	..	..	3
Total	201	28	65	56	74	60	121	54	47	15	22	33	778

Number of nuisances abated	778
Number of nuisances referred to Board of 1895 . . .	221
Number of nuisances complained of	999
Number of complaints (many covering more than one nuisance)	462
Number of notices mailed	451
Number of notices served by constables	1

In addition to the above, many nuisances have been abated on verbal notice from the Agent, without action by the Board, and of which no record has been made.

Glanders. — Eighteen cases of glanders and one case of tuberculosis have occurred during the year. Prompt action was taken in every case, and the horses have been killed. We renew our request of previous years, that owners of horses notify the Board or its Agent, at once, on the appearance of this disease. We renew our request sent to the Committee on Highways last year, that the committee use great care to have the watering troughs cleaned out occasionally, in order to prevent the spread of this disease.

PERMITS.

The record of permits to keep cows, swine, and goats, to collect grease, and to remove manure, is as follows :—

Cows. — One application was received for permit to keep three cows. No fees are required for these permits.

Swine. — Twenty-six applications were received for permits to keep one hundred and ninety-four swine. Twenty-four permits were granted to keep one hundred and eighty-seven swine, and two permits were refused. The fee is one dollar for each swine.

Goats. — Five applications were received for permits to keep five goats, all of which were granted. Fee for each goat, one dollar.

Grease. — Four applications were received for permits to collect grease, all of which were granted. The fee is two dollars. Two of the parties licensed reside in Somerville, one in Charlestown, and one in Chelsea.

Manure. — Two permits were issued during the year for the carting of manure through the streets of the city in the day time, between May 1 and November 1, and ten were issued for the removal of manure from the stables in the city in the day time, within the same period. No fee is charged for these permits.

PEDLERS.

One hundred and sixty certificates of registration were issued to hawkers and pedlers during the year, — an increase of forty-six over the year 1893. These certificates are issued under Ordinance number thirty of the Revised Ordinances of 1891, and are good for an indefinite period. All pedlers are required to present their vehicles for inspection by the agent of the Board at the Police Station, the first Monday of each month, so that he may see that they are kept in a clean condition and are properly marked with the owner's name and number.

ASHES.

The ashes and house-dirt were removed during the year by William J. McCarty, for the sum of fifty-seven hundred dollars. The collections are made weekly, as follows :

Monday	.	.	.	.	.	in district one.
Tuesday	.	.	.	.	.	“ two.
Wednesday	.	.	.	.	.	“ three.
Thursday	.	.	.	.	.	“ four.
Friday	.	.	.	.	.	“ five.
Saturday	.	.	.	.	.	“ six.

Materials for removal must be free from filth and offal, must be placed in barrels or boxes, and must be set on the outer edge of the

sidewalk before eight o'clock in the morning of the day when the collection is to be made.

The districts were established by the Board of Health of 1890 and are bounded as follows :—

DISTRICT 1. — Beginning at the Boston line and bounded by the northeasterly line of Pearl street, the southerly line of Walnut street, the northeasterly line of Highland avenue, the easterly line of Medford street, the northerly line of Washington street, the northwesterly line of Prospect street, the northerly line of Concord avenue, extended across Beacon street to the Cambridge line, and by the Cambridge and Boston lines.

DISTRICT 2. — Beginning at the Boston line and bounded by the northeasterly line of Pearl street, the southeasterly line of Walnut street, the northeasterly line of Broadway, the northeasterly line of Main street, and by the Medford and Boston lines.

DISTRICT 3. — Beginning at the Medford line and bounded by the southeasterly line of Cedar street, the northeasterly line of Highland avenue, the southeasterly line of Walnut street, the northeasterly line of Broadway, the northeasterly line of Main street and by the Medford line.

DISTRICT 4. — Beginning at the intersection of Medford and Washington streets, and bounded by the northerly line of Washington street, the northwesterly line of Prospect street, the northeasterly line of Somerville avenue, the southeasterly line of School street, the northeasterly line of Summer street, the southeasterly line of Cedar street, the northeasterly line of Highland avenue, and the easterly line of Medford street to Washington street.

DISTRICT 5. — Beginning at the intersection of Prospect street and Somerville avenue, and bounded by the northwesterly line of Prospect street, the northerly line of Concord avenue prolonged to the Cambridge line, the Cambridge line (extending westwardly), the southeasterly lines of Oxford, Mossland, and Cedar streets, the northeasterly line of Summer street, the southeasterly line of School street, and the northeasterly line of Somerville avenue to Prospect street.

DISTRICT 6. — All of that portion of the city lying west of the easterly lines of Cedar, Mossland, and Oxford streets.

It will be seen by these descriptions that the side lines of streets are used as boundaries, and not the middle lines; so that ashes are removed from the sidewalks on both sides of a street on the same day.

The city will abandon the contract system, January 1, 1895, and hereafter the ashes will be collected with the city's teams by men employed by the day or week, under a competent superintendent.

HOUSE OFFAL.

The two years contract for the collection of house offal expired June 26th, last, but the same contractor, Mr. Martin Gill, has performed the work up to the present time. The expense for the year was sixty-eight hundred and fifty-five dollars. The collection has been very unsatisfactory, and the city will begin on January 1, 1895, to collect the offal with its own men and teams, in the same manner as is stated above in relation to the collection of ashes. Seven wagons and three sleds were in service December 31, 1894.

NIGHT SOIL.

The removal of night soil has been made by R. M. Johnson of Arlington, during the past year, and has been carried on by the "Odorless" process.

The contract price which the owner or occupant is charged is four dollars for every load, or part of a load, of eighty cubic feet. About three hundred loads have been removed during the year. An order-box for the removal is kept at the Police Station on Bow street. There has been quite a falling off in the number of loads collected during the year, as the old-fashioned vaults are fast giving way to water closets.

DEATHS.

There were eight hundred and seventy-three deaths and forty five still-births in the city during the year, as specified in the follow-

ing table, which shows an increase of deaths over the previous year of seventy-one.

Deaths of children under one year of age . . .	186
“ “ “ over one year and under five years .	127
“ at McLean Asylum during the year . . .	18
“ “ Somerville Hospital during the year . . .	25
“ “ Home for Aged Poor	36

MORTALITY IN SOMERVILLE IN 1894.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
ZYMOTIC DISEASES.													
MIASMATIC.													
Scarlet fever	7	3	7	3	7	4	4	3	1	3	7	2	51
Diphtheria	2	3	4	1	3	..	1	4	..	4	5	1	28
Typhoid fever	2	..	..	..	2	1	1	1	2	..	2	2	13
Erysipelas	1	..	2	1	1	..	..	..	..	..	..	..	5
Phlebitis	1	..	..	..	..	1	1	..	..	..	..	1	4
Diarrhœa	1	2	..	..	..	..	..	6	4	..	..	..	15
Cholera morbus . . . . .	..	..	..	..	..	..	2	1	..	..	..	..	3
Cholera infantum . . . . .	..	..	..	..	..	2	18	10	4	..	..	..	34
Septicæmia . . . . .	..	..	..	1	..	1	..	..	..	1	1	1	5
Whooping cough	1	..	1	..	5	..	1	3	..	1	1	..	13
Dysentery . . . . .	..	..	..	1	..	..	1	1	..	..	1	..	4
Rheumatism . . . . .	..	1	..	..	..	..	..	..	..	1	..	1	3
Croup	2	1	2	..	..	..	..	..	1	1	..	..	7
Influenza	1	2	..	..	..	..	..	..	..	..	..	..	3
La grippe	2	1	1	..	..	..	..	..	..	..	..	..	4
Meningitis	1	2	5	4	4	1	3	1	2	2	2	3	30
CONSTITUTIONAL DISEASES.													
DIATHETIC.													
Cancer	2	3	1	..	2	3	1	1	2	2	2	3	22
Tumor	1	..	1	..	1	..	..	..	..	..	..	1	4
TUBERCULAR.													
Tuberculosis . . . . .	..	..	3	2	1	1	..	4	1	1	3	2	18
Tubercular meningitis	1	2	1	..	..	..	..	..	1	..	..	1	6
Phthisis	8	10	10	8	7	4	7	7	4	5	9	10	89
LOCAL DISEASES.													
NERVOUS SYSTEM.													
Apoplexy	1	1	3	..	2	..	..	1	1	3	3	..	15
Paralysis	2	..	1	..	2	2	..	1	1	3	..	..	12
Insanity	1	1	..	1	1	..	1	1	..	1	..	..	7
Brain diseases	1	..	..	1	..	1	2	1	2	2	2	2	14
Convulsions . . . . .	..	..	..	1	1	1	5	1	..	2	1	..	12
Spinal disease	1	..	..	..	..	..	..	..	..	1	1	1	4
Hemiplegia . . . . .	..	..	..	..	1	1	..	1	1	..	..	..	4
Epilepsy . . . . .	..	..	..	..	..	1	..	1	1	..	..	1	4
ORGANS OF CIRCULATION.													
Heart disease	7	5	6	2	3	2	3	5	5	8	3	7	56
Aneurism	1	..	..	..	1	..	..	1	1	..	..	1	5
Angina pectoris	1	..	..	..	..	1	..	..	1	..	..	1	4
Cyanosis . . . . .	..	..	..	..	1	..	..	1	..	1	1	1	5
RESPIRATORY ORGANS.													
Pneumonia	10	9	10	9	11	4	5	4	4	2	6	5	79
Bronchitis	3	1	4	4	2	..	1	1	1	1	1	5	24
Hemorrhage	1	..	1	..	..	1	..	1	..	1	1	..	6
Pleurisy . . . . .	..	..	..	..	..	..	..	..	..	..	..	1	1
Asthma . . . . .	..	..	..	..	..	..	1	..	1	..	..	..	2
Laryngitis . . . . .	..	..	1	1	..	..	..	..	..	..	1	1	4
Pulmonary œdema . . . . .	..	..	..	..	1	..	1	1	1	1	2	1	8

MORTALITY IN SOMERVILLE IN 1894. — *Continued.*

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	To
LOCAL DISEASES.													
DIGESTIVE ORGANS.													
Gastritis	1	..	..	1	1	..	..	1	..	..	1	1	6
Peritonitis	2	..	1	..	1	1	1	..	..	2	..	..	8
Hepatitis . . . . .	..	..	..	1	1	..	..	..	..	..	..	..	2
Liver disease . . . . .	..	..	..	1	1	1	..	..	..	..	..	1	3
Gastric ulcer . . . . .	..	1	1	..	..	..	1	..	..	..	..	1	4
Enteritis . . . . .	..	..	1	..	1	2	2	1	2	3	1	1	14
Hæmatemesis	1	..	..	1	..	..	1	..	..	..	..	..	3
Intestinal catarrh . . . . .	..	..	..	1	..	..	1	2	1	1	..	..	6
Hernia . . . . .	..	1	..	..	..	..	..	..	..	..	..	2	3
Jaundice . . . . .	..	..	..	..	..	..	..	..	..	..	..	1	1
Appendicitis . . . . .	..	1	..	..	1	1	..	..	..	1	..	1	5
Cirrhosis	1	1	..	1	..	1	..	..	1	..	1	..	6
GENITO-URINARY ORGANS.													
Bright's disease	3	1	2	3	1	2	..	..	3	2	..	..	17
Diabetes . . . . .	..	..	1	1	1	..	..	..	2	2	1	1	9
Cystitis . . . . .	..	..	..	1	1	1	..	..	1	..	1	1	6
Nephritis . . . . .	..	..	1	1	..	..	1	1	2	..	..	1	7
Childbirth . . . . .	..	1	..	..	..	1	..	..	..	..	..	..	2
Eclampsia . . . . .	..	..	..	..	1	..	..	..	..	1	1	..	3
INTEGUMENTARY SYSTEM.													
Pemphigus . . . . .	..	1	..	..	..	..	..	..	..	..	..	..	1
Eczema . . . . .	..	..	..	..	..	1	..	..	..	..	..	1	2
DEVELOPMENTAL DISEASES.													
OF CHILDREN.													
Inanition	1	2	..	1	1	4	5	4	4	2	2	1	27
Premature birth and congenital debility	4	2	1	1	1	2	7	..	3	2	1	4	28
OF OLD PEOPLE.													
Old age	3	10	4	2	3	3	5	3	4	6	4	4	51
VIOLENT DEATHS.													
Railroad . . . . .	..	..	..	..	..	..	2	..	..	..	1	1	4
Suicide . . . . .	..	..	1	1	..	..	..	..	..	..	1	2	5
Arsenical poisoning	1	..	..	..	..	..	..	..	..	..	..	..	1
Asphyxia . . . . .	..	..	..	..	..	1	1	..	..	..	..	1	3
Sunstroke . . . . .	..	..	..	..	..	1	..	..	..	..	..	..	1
Accidental drowning . . . . .	..	..	..	..	..	1	..	1	..	..	..	..	2
Burning . . . . .	..	..	..	..	1	..	..	1	3	..	1	1	7
Alcoholism	1	..	..	..	..	..	..	..	..	..	..	..	1
Fracture of skull	1	..	..	..	1	..	1	..	..	..	..	1	4
Concussion of brain . . . . .	..	..	..	1	..	..	..	..	..	..	..	..	1
Fracture of ribs . . . . .	..	..	1	..	..	..	..	..	..	..	..	..	1
Fracture of thigh . . . . .	..	..	..	..	..	..	..	..	..	1	..	..	1
Surgical operation	1	..	..	..	..	..	..	..	..	..	..	..	1
Total	82	68	78	58	76	55	89	77	68	70	72	80	873
Stillborn	5	5	3	1	4	2	..	5	7	7	5	1	45

Population (estimated) 52,600
 Death rate per thousand 16.6

DISEASES DANGEROUS TO THE PUBLIC HEALTH.

This Board has adjudged small pox, scarlet fever, diphtheria, typhus fever, and typhoid fever to be contagious and dangerous to the public health, within the meaning of the statutes. Physicians are required to report immediately to the Board, every case of either of these diseases coming under their care, and postal cards conveniently printed and addressed, are supplied to them for the purpose.

Scarlet Fever.—Four hundred and fifty-two cases of scarlet fever have been reported during the year, fifty-one of which resulted fatally. In 1893 there were three hundred and fourteen cases, nine teen of which resulted fatally.

Diphtheria.—One hundred and ten cases of diphtheria have been reported during the year, twenty-eight of which were fatal. In 1893 there were fifty-six cases, eleven of which proved fatal. Warning cards are used in dealing with these two diseases, and the premises are fumigated immediately after the termination of a case. An inspection is made by the agent of the Board, of the premises where diphtheria is reported, and all sanitary defects discovered are required to be remedied as soon as possible.

Typhus Fever.—This disease has not appeared in our city during the past year.

Typhoid Fever.—Fifty-eight cases of typhoid fever have been reported during the year, thirteen of which have proved fatal. In 1893 there were fifty-nine cases reported, thirteen of which were fatal.

Small Pox.—The city has been free from this disease during the year, but bills were paid to the amount of eleven hundred and eighty and $\frac{12}{100}$ dollars, for the case mentioned in our report of 1893. The patient finally recovered and left the city. In January, four physicians were employed by this Board, one from each ward, to vaccinate all persons who applied for vaccination. Six hundred and twenty dollars was paid the physicians, and the Board is of the

opinion that it may have been the means of stopping the spread of this dreaded disease.

Tables. — The prevalence of scarlet fever, diphtheria, and typhoid fever in the city during the several months of the year 1894 is shown by the following table, and in the table next following is given the number of deaths from these three diseases, by months, during the last ten years : —

SCARLET FEVER, DIPHTHERIA, AND TYPHOID FEVER
REPORTED IN 1894.

MONTHS.	SCARLET FEVER.			DIPHTHERIA.			TYPHOID FEVER.		
	Cases Reported.	Number of Deaths.	Percentage of Deaths.	Cases Reported.	Number of Deaths.	Percentage of Deaths.	Cases Reported.	Number of Deaths.	Percentage of Deaths.
January . .	52	7	13.4	6	2	33.3	5	2	40.
February . .	28	3	10.7	7	3	42.8	1	—	—
March . . .	63	7	11.1	7	4	57.1	1	—	—
April . . .	33	3	9.	3	1	33.3	5	—	—
May	63	7	11.1	7	3	42.8	6	2	33.3
June	51	4	7.8	3	—	—	3	1	33.3
July	26	4	15.4	9	1	11.1	—	1	—
August . . .	27	3	11.1	6	4	66.6	9	1	11.1
September .	16	1	6.2	9	—	—	6	2	33.3
October . . .	31	3	9.7	13	4	30.8	9	—	—
November . .	34	7	20.6	20	5	25.	9	2	22.2
December . .	28	2	7.1	20	1	5.	4	2	50.
Total . . .	452	51	11.3	110	28	25.5	58	13	22.4

DEATHS FROM SCARLET FEVER, DIPHTHERIA, AND TYPHOID
FEVER IN THE LAST TEN YEARS.

MONTHS.	SCARLET FEVER.										DIPHTHERIA.										TYPHOID FEVER.									
	1885.	1886.	1887.	1888.	1889.	1890.	1891.	1892.	1893.	1894.	1885.	1886.	1887.	1888.	1889.	1890.	1891.	1892.	1893.	1894.	1885.	1886.	1887.	1888.	1889.	1890.	1891.	1892.	1893.	1894.
January .	2	.	1	5	.	.	.	.	1	7	2	1	2	1	3	1	2	2	2	2	2	2	.	.	3	.	1	.	.	2
February .	1	.	.	3	1	2	.	.	.	3	2	2	2	.	.	2	.	.	1	3	3	1	.	.	.	.	1	2	.	.
March .	1	1	1	4	1	1	.	3	.	7	2	4	1	3	2	1	1	2	2	1	4	.	.	2	.	.	.	.	.	.
April .	5	.	.	1	.	.	.	2	.	3	2	2	1	3	2	1	1	2	2	1	1	.	1	.	1	2	2	1	.	.
May .	.	2	1	1	.	.	1	4	.	7	2	4	.	1	6	1	1	1	2	3	1	.	.	.	1	.	.	.	.	2
June .	1	.	1	1	1	1	1	.	.	4	2	2	.	.	4	.	1	1	1	.	.	.	.	.	1	1	1	.	.	1
July .	.	.	.	.	1	.	.	1	.	4	2	2	1	.	1	1	1	.	.	1	1	.	1	.	2	1	1	1	.	1
August .	.	.	.	.	.	.	.	.	.	3	2	.	.	.	1	1	.	.	.	4	.	1	.	2	.	1	.	1	3	1
September .	1	.	.	.	.	.	.	.	2	1	3	2	1	1	1	.	3	.	1	.	3	.	1	1	4	2	2	4	2	2
October .	.	.	6	.	1	.	.	1	.	3	1	2	3	4	2	3	3	.	1	4	1	1	2	1	3	1	1	2	3	.
November .	2	.	11	.	2	.	.	.	9	7	5	2	1	4	1	3	4	1	2	5	1	1	2	3	.	1	3	.	2	2
December .	1	.	10	.	.	1	.	3	7	2	4	3	2	1	5	2	2	.	.	1	.	.	.	2	.	.	.	2	.	2
Total .	14	3	31	15	7	5	2	14	19	51	28	20	11	21	28	21	18	8	11	28	11	3	11	17	7	10	11	11	13	13

DISTRICTS.

The accompanying map shows the boundaries of the ten health districts into which the city was divided by the Board of Health of 1878; also the locations of common sewers.

A record has been kept from year to year of the number of deaths, the death rate per thousand, the prevalence of dangerous diseases and the number of nuisances abated in these several districts, and is continued in the following tables.

The estimated population in the several districts was originally based on the number of assessed polls in each, and upon the population of the entire city; the ratio of polls to population being presumed to be the same in all the districts. Substantially the same method of estimating the population has been continued, the census of every fifth year being taken as a basis for calculation.

We have obtained the number of dwellings and of assessed polls, May 1, 1894, from the assessors' books, by actual count, instead of assuming as has been done in former years, that their increase was uniform throughout the city.

MAP OF
SOMERVILLE

1895

SHOWING HEALTH DISTRICTS.

0 200 400 600 800 1000 1500 2000 2500 3000 3500 4000 4500 5000
F A I L E



SEWERS SHOWN THUS - - - - -

DEATH

MONTH

January
February
March
April
May
June
July
August
September
October
November
December

Total

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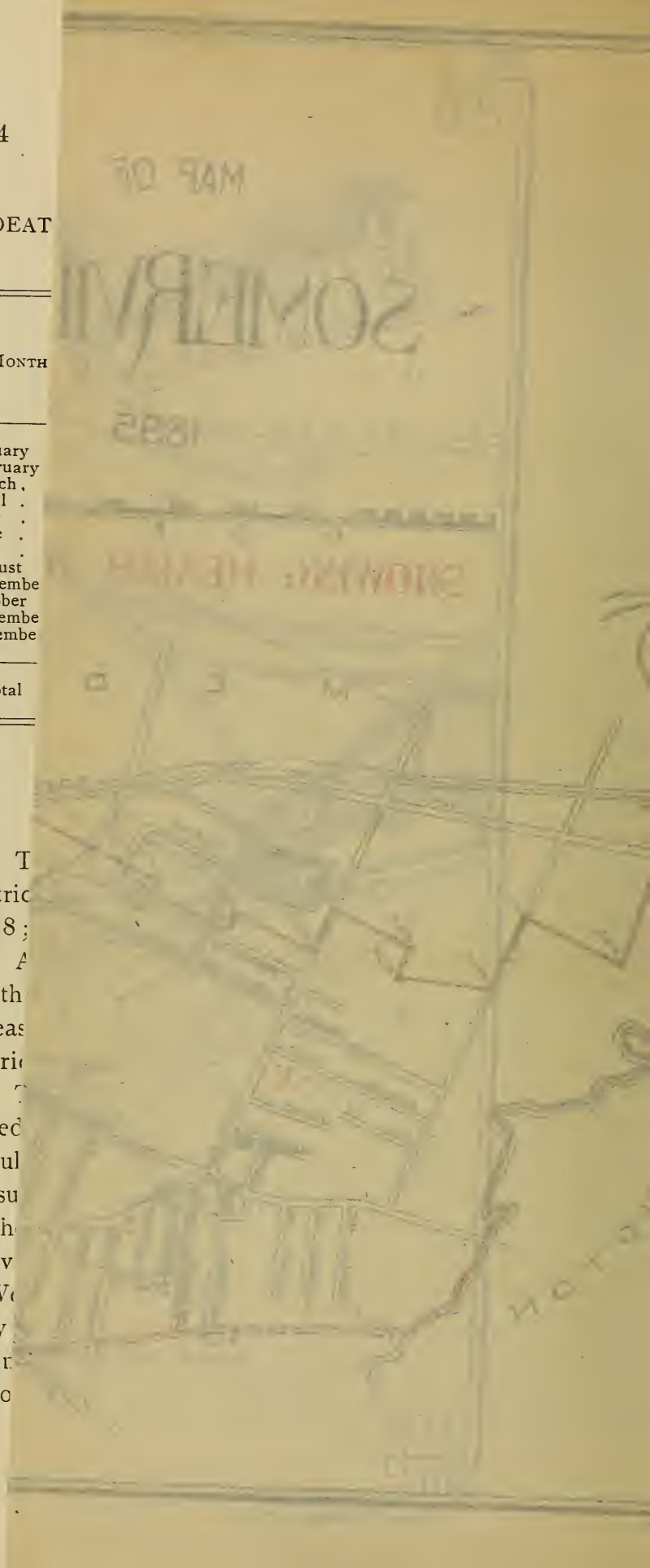


TABLE OF DEATHS IN EACH DISTRICT DURING THE LAST TEN YEARS, EXCLUSIVE OF DEATHS IN THE MCLEAN ASYLUM.

Districts	I.	II.	III.	IV.	V.	VI.	VII.	VIII.	IX.	X.	Entire City.																	
												Area	337 A.	107 A.	93 A.	171 A.	361 A.	285 A.	194 A.	482 A.	174 A.	456 A.	2,660 A.					
In 1894.	Population . .	Dwellings . .	Average in each dwelling . .	7.1	5.8	6.1	6.1	5.1	5.6	5.7	5.8	5.5	8.	5.97														
															Number of Deaths.	Rate per 1,000.	Number of Deaths.	Rate per 1,000.	Number of Deaths.	Rate per 1,000.	Number of Deaths.	Rate per 1,000.	Number of Deaths.	Rate per 1,000.	Number of Deaths.	Rate per 1,000.	Number of Deaths.	Rate per 1,000.
1885	152	28	56	40	19	72	20	78	31	24	53	17	13	14	25	15	11	15	531	18								
1886	115	26	51	38	17	59	15	85	37	28	44	13	11	11	20	11	19	24	479	15								
1887	182	29	54	45	19	81	19	87	37	25	62	17	20	11	26	11	12	24	606	18								
1888	148	23	68	44	18	62	14	117	33	22	50	13	16	14	28	14	13	14	579	16								
1889	125	16	67	48	17	85	17	105	28	17	62	15	19	15	26	12	17	17	582	15								
1890	140	19	69	48	17	94	19	139	46	27	59	14	27	22	26	12	15	15	663	16								
1891	169	22	71	68	23	103	19	150	75	42	77	17	33	25	33	14	12	12	761	18								
1892	139	17	75	42	13	76	14	144	65	34	77	17	27	19	44	17	25	22	696	16								
1893	161	18	80	63	16	94	16	180	64	30	72	14	23	13	26	9	27	18	790	15								
1894	157	22	66	36	19	117	21	188	70	13	64	10	43	17	37	10	27	11	835	16								
Average death rate per 1,000 for ten years.	21	9	17	17	16	25	14	16	12	16	16	12	16	16	12	16	16	16	16	16								

TABLE SHOWING THE FIVE PRINCIPAL CAUSES OF DEATH IN
SOMERVILLE IN 1894, WITH THE NUMBER AND RATE
IN EACH DISTRICT.

DISTRICTS.	CONSUMPTION.		PNEUMONIA.		HEART DISEASE.		SCARLET FEVER.		OLD AGE.	
	Number of Deaths.	Number per 1,000 of pop.	Number of Deaths.	Number per 1,000 of pop.	Number of Deaths.	Number per 1,000 of pop.	Number of Deaths.	Number per 1,000 of pop.	Number of Deaths.	Number per 1,000 of pop.
I.	18	2.59	15	2.16	9	1.29	19	2.73	9	1.29
II.	8	1.48	7	1.30	5	0.92	..	..	3	0.55
III.	11	2.44	9	1.99	3	0.66	9	1.99	2	0.44
IV.	11	2.05	10	1.86	6	1.12	12	2.24	5	0.93
V.	17	1.63	14	1.34	19	1.82	4	0.38	18	1.72
VI.	7	1.32	5	0.94	2	0.37	4	0.75	5	0.94
VII.	2	1.25	7	1.09	5	0.78	1	0.15	4	0.62
VIII.	2	0.82	2	0.82	4	1.65	1	0.41	2	0.82
IX.	3	0.82	4	1.10	1	0.27	1	0.27	2	0.55
X.	4	1.73	6	2.59	2	0.55	..	..	1	0.43
Total	89	1.69	79	1.50	56	1.06	51	0.96	51	0.96

TABLE OF SCARLET FEVER, DIPHTHERIA, AND TYPHOID FEVER
IN EACH DISTRICT IN 1894.

DISTRICTS.	SCARLET FEVER.				DIPHTHERIA.				TYPHOID FEVER.			
	Cases Reported.	Deaths.	Cases per 1,000 of pop.	Deaths per 1,000 of pop.	Cases Reported.	Deaths.	Cases per 1,000 of pop.	Deaths per 1,000 of pop.	Cases Reported.	Deaths.	Cases per 1,000 of pop.	Deaths per 1,000 of pop.
I.	97	19	13.98	2.73	10	4	1.44	0.57	8	1	1.15	0.14
II.	24	..	4.45	..	7	1	1.30	0.18	4	1	0.74	0.18
III.	54	9	11.98	1.99	20	6	4.44	1.33	6	..	1.33	..
IV.	77	12	14.37	2.24	20	8	3.73	1.49	4	1	0.74	0.18
V.	60	4	5.75	0.38	26	7	2.49	0.67	14	4	1.34	0.38
VI.	52	4	9.85	0.75	5	..	0.94	..	5	1	0.94	0.18
VII.	30	1	4.69	0.15	..	..	..	..	4	2	0.62	0.31
VIII.	20	1	8.29	0.41	11	2	4.56	0.82	2	1	0.82	0.41
IX.	23	1	6.35	0.27	5	..	1.38	..	7	2	1.92	0.55
X.	15	..	6.49	..	6	..	2.59	..	4	..	1.73	..
Total	452	51	8.59	0.96	110	28	2.09	0.53	58	13	1.10	0.24

RATES PER THOUSAND OF POPULATION OF CASES OF SCARLET FEVER, DIPHTHERIA, AND TYPHOID FEVER REPORTED,
AND OF DEATHS FROM THE SAME IN THE LAST SEVEN YEARS.

DISTRICTS.	1888.			1889.			1890.			1891.			1892.			1893.			1894.			Average for Seven Yrs.		
	Scarlet Fever.	Diphtheria.	Typhoid Fever.	Scarlet Fever.	Diphtheria.	Typhoid Fever.	Scarlet Fever.	Diphtheria.	Typhoid Fever.	Scarlet Fever.	Diphtheria.	Typhoid Fever.	Scarlet Fever.	Diphtheria.	Typhoid Fever.	Scarlet Fever.	Diphtheria.	Typhoid Fever.	Scarlet Fever.	Diphtheria.	Typhoid Fever.	Scarlet Fever.	Diphtheria.	Typhoid Fever.
I.	{ Cases 3.51	{ Deaths 0.61	{ Deaths 1.07	{ Cases 4.24	{ Deaths 0.28	{ Deaths 0.84	{ Cases 3.55	{ Deaths 0.55	{ Deaths 0.14	{ Cases 2.05	{ Deaths 0.38	{ Deaths 0.77	{ Cases 6.43	{ Deaths 0.36	{ Deaths 0.12	{ Cases 8.86	{ Deaths 0.57	{ Deaths 0.23	{ Cases 13.98	{ Deaths 2.73	{ Deaths 0.57	{ Cases 6.08	{ Deaths 0.65	{ Deaths 0.53
II.	{ Cases 1.07	{ Deaths 0.47	{ Deaths 0.31	{ Cases 2.32	{ Deaths 0.43	{ Deaths 0.29	{ Cases 0.42	{ Deaths 0.37	{ Deaths 0.69	{ Cases 0.79	{ Deaths 1.45	{ Deaths 1.18	{ Cases 9.75	{ Deaths 0.37	{ Deaths 0.24	{ Cases 4.07	{ Deaths 0.23	{ Deaths 0.47	{ Cases 4.45	{ Deaths 1.30	{ Deaths 0.74	{ Cases 3.69	{ Deaths 0.12	{ Deaths 0.37
III.	{ Cases 0.81	{ Deaths 0.40	{ Deaths 1.21	{ Cases 1.19	{ Deaths 0.37	{ Deaths 4.11	{ Cases 7.97	{ Deaths 0.73	{ Deaths 0.37	{ Cases 8.53	{ Deaths 1.44	{ Deaths 2.39	{ Cases 11.38	{ Deaths 0.63	{ Deaths 0.95	{ Cases 9.58	{ Deaths 0.53	{ Deaths 0.27	{ Cases 11.98	{ Deaths 4.44	{ Deaths 1.33	{ Cases 7.34	{ Deaths 0.61	{ Deaths 0.67
IV.	{ Cases 1.36	{ Deaths 1.14	{ Deaths 0.45	{ Cases 1.24	{ Deaths 0.88	{ Deaths 0.63	{ Cases 3.28	{ Deaths 0.21	{ Deaths 1.64	{ Cases 3.47	{ Deaths 1.35	{ Deaths 1.16	{ Cases 5.19	{ Deaths 0.36	{ Deaths 0.18	{ Cases 5.70	{ Deaths 0.86	{ Deaths 0.17	{ Cases 14.37	{ Deaths 3.73	{ Deaths 0.74	{ Cases 4.94	{ Deaths 0.67	{ Deaths 0.78
V.	{ Cases 2.04	{ Deaths 0.55	{ Deaths 0.15	{ Cases 4.01	{ Deaths 0.94	{ Deaths 0.13	{ Cases 6.34	{ Deaths 0.26	{ Deaths 0.26	{ Cases 3.65	{ Deaths 1.22	{ Deaths 0.97	{ Cases 7.78	{ Deaths 0.34	{ Deaths 0.11	{ Cases 5.47	{ Deaths 0.11	{ Deaths 0.23	{ Cases 5.75	{ Deaths 2.49	{ Deaths 1.34	{ Cases 5.01	{ Deaths 0.23	{ Deaths 0.33
VI.	{ Cases 2.63	{ Deaths 0.66	{ Deaths 1.32	{ Cases 3.65	{ Deaths 0.61	{ Deaths 2.43	{ Cases 6.58	{ Deaths 0.59	{ Deaths 1.19	{ Cases 2.25	{ Deaths 0.56	{ Deaths 2.81	{ Cases 14.57	{ Deaths 2.08	{ Deaths 4.16	{ Cases 6.26	{ Deaths 0.62	{ Deaths 0.31	{ Cases 9.85	{ Deaths 0.94	{ Deaths 0.94	{ Cases 6.54	{ Deaths 0.19	{ Deaths 0.31
VII.	{ Cases 5.59	{ Deaths 0.27	{ Deaths 0.53	{ Cases 3.45	{ Deaths 0.98	{ Deaths 0.41	{ Cases 5.26	{ Deaths 0.24	{ Deaths 0.35	{ Cases 1.80	{ Deaths 0.88	{ Deaths 2.47	{ Cases 9.17	{ Deaths 0.21	{ Deaths 0.21	{ Cases 4.59	{ Deaths 0.19	{ Deaths 0.19	{ Cases 4.69	{ Deaths 0.62	{ Deaths 0.31	{ Cases 4.63	{ Deaths 0.12	{ Deaths 0.24
VIII.	{ Cases 7.17	{ Deaths 1.77	{ Deaths 0.88	{ Cases 2.49	{ Deaths 0.83	{ Deaths 4.14	{ Cases 3.27	{ Deaths 0.81	{ Deaths 1.63	{ Cases 3.06	{ Deaths 0.76	{ Deaths 1.53	{ Cases 4.96	{ Deaths 0.71	{ Deaths 0.71	{ Cases 5.68	{ Deaths 0.57	{ Deaths 0.65	{ Cases 8.29	{ Deaths 4.56	{ Deaths 0.82	{ Cases 4.55	{ Deaths 0.39	{ Deaths 0.34
IX.	{ Cases 7.51	{ Deaths 1.50	{ Deaths 0.30	{ Cases 4.63	{ Deaths 1.85	{ Deaths 1.79	{ Cases 1.79	{ Deaths 0.45	{ Deaths 0.45	{ Cases 4.20	{ Deaths 2.94	{ Deaths 0.42	{ Cases 7.79	{ Deaths 0.78	{ Deaths 0.78	{ Cases 5.59	{ Deaths 0.57	{ Deaths 0.65	{ Cases 6.35	{ Deaths 1.38	{ Deaths 1.92	{ Cases 4.74	{ Deaths 0.25	{ Deaths 0.19
X.	{ Cases 4.54	{ Deaths 1.13	{ Deaths 1.13	{ Cases 2.10	{ Deaths 4.20	{ Deaths 8.40	{ Cases 4.13	{ Deaths 1.03	{ Deaths 1.03	{ Cases 9.71	{ Deaths 0.97	{ Deaths 0.97	{ Cases 3.59	{ Deaths 0.78	{ Deaths 0.78	{ Cases 8.89	{ Deaths 1.36	{ Deaths 1.37	{ Cases 6.49	{ Deaths 2.59	{ Deaths 1.73	{ Cases 5.63	{ Deaths 0.19	{ Deaths 0.16
City.	{ Cases 3.42	{ Deaths 0.42	{ Deaths 0.59	{ Cases 4.94	{ Deaths 0.18	{ Deaths 0.72	{ Cases 4.01	{ Deaths 0.07	{ Deaths 0.54	{ Cases 2.97	{ Deaths 1.62	{ Deaths 1.26	{ Cases 8.06	{ Deaths 0.30	{ Deaths 0.17	{ Cases 6.28	{ Deaths 0.38	{ Deaths 0.22	{ Cases 8.59	{ Deaths 2.69	{ Deaths 1.10	{ Cases 5.46	{ Deaths 0.33	{ Deaths 0.45

NUISANCES ABATED IN EACH DISTRICT IN 1894.

	I.	II.	III.	IV.	V.	VI.	VII.	VIII.	IX.	X.	Total.
Population (estimated) . . .	6,936	5,382	4,504	5,357	10,418	5,278	6,389	2,410	3,617	2,309	52,600
Cellar damp	12	1	1	3	..	1	1	..	..	..	19
Cesspool offensive	3	..	1	2	..	1	..	1	1	1	10
Cesspool overflowing	5	..	..	1	1	1	..	1	1	2	12
Connections of drainage pipes defective	7	2	3	2	1	1	2	1	1	1	21
Cow-barn offensive . . . . .	..	..	..	1	..	1	..	..	..	..	2
Decomposed meat offensive . .	..	..	..	..	..	..	..	..	..	1	1
Drainage defective	8	1	4	4	1	2	1	3	4	3	31
Drainage emptying into cellar .	7	..	1	2	..	2	2	1	..	..	15
Drainage emptying on surface .	5	1	6	5	1	..	1	1	3	2	25
Drainage not ventilated . . .	..	..	..	1	..	1	..	..	..	..	2
Drain-pipe defective	4	2	3	4	3	..	1	..	..	..	17
Hennery offensive	2	..	1	1	2	1	1	1	..	1	10
Hens kept in cellar	2	..	1	..	1	..	..	..	1	..	5
Horse-shed offensive . . . . .	..	..	..	..	..	..	1	..	..	..	1
Manure exposed and offensive .	10	1	3	1	..	2	1	3	2	2	25
Manure-pit defective	4	..	..	2	..	..	..	2	1	1	10
Manure-pit too close to house .	2	1	..	1	1	..	..	..	2	1	8
Offal on land	3	..	3	1	..	1	..	..	..	..	8
Offensive odor in and about dwellings	8	1	2	2	1	..	1	..	1	..	16
Opening in drain-pipe in cellar .	9	2	3	3	..	1	..	1	..	..	19
Pigs kept without license . . .	3	..	1	..	1	..	..	..	1	..	6
Premises filthy	4	..	3	2	..	..	..	1	..	..	10
Premises untidy	13	..	10	11	..	..	..	..	..	..	34
Privy-vault defective	3	1	4	4	5	5	2	1	..	2	27
Privy-vault full	25	6	10	7	8	4	1	1	1	1	64
Privy-vault offensive	96	7	5	13	18	12	10	3	3	6	173
Rubbish in cellar	5	1	..	2	1	..	..	..	..	..	9
Rubbish under stable	1	..	..	..	1	..	1	..	..	..	3
Sewage flowing under floor . .	6	1	1	1	2	..	1	..	..	..	12
Sewer Gas in house	6	1	1	2	2	1	1	..	1	..	15
Slops thrown on surface . . .	2	..	..	1	..	..	..	..	..	..	3
Stable infected with glanders .	4	3	1	4	2	..	2	..	1	1	18
Stable infected with tuberculosis . . . . .	..	..	..	..	1	..	..	..	..	..	1
Stable and stable premises filthy and offensive	5	..	1	3	1	..	1	..	1	..	12
Stable without drainage	9	1	2	4	..	..	..	..	1	..	17
Stagnant water on surface . . .	4	..	1	4	1	..	1	1	1	2	15
Waste-pipe defective	4	1	2	1	3	..	3	2	..	1	17
Waste-pipe not trapped	3	1	1	2	2	3	1	1	2	1	17
Water-closet defective	5	2	3	4	2	4	..	2	1	2	25
Water-closet insufficiently supplied with water	1	..	1	..	2	..	1	1	..	..	6
Water-closet offensive	3	..	1	4	1	2	1	3	1	1	17
Water in cellar	6	..	3	4	1	1	1	..	1	..	17
Water under stable . . . . .	..	..	..	1	1	..	1	..	..	..	3
Total	299	37	83	110	67	47	40	31	32	32	778

APPROPRIATION FOR HEALTH DEPARTMENT AND EXPENDITURES THEREFROM, 1894.

CREDIT.

Appropriation \$12,000 00

Receipts :

For Permits to keep swine and goats

and to collect grease . . . 200 00

rent of land on Melrose street . . . 200 00

rebate, contagious disease . . . 62 69

Sundry bills not called for . . . 12 50

Total credit \$12,475 19

DEBIT.

Expenditures :

For Agent's salary \$1,200 00

Collecting ashes 5,700 00

Collecting offal 6,855 00

Burying dead animals 135 50

Vaccine virus 273 26

Oil of peppermint 13 68

Wagons and sleds 134 95

Care of small-pox case

(Henry Liscomb) 1,180 12

House for contagious diseases . . . 1,071 24

Books, stationery, printing, etc. . . 123 88

Incidentals 1,230 10

Total debit \$17,917 73

Amount overdrawn \$5,442 54

THOMAS M. DURELL, *Chairman.*

ALVANO T. NICKERSON.

ALVAH B. DEARBORN.

Board of Health.

REPORT
OF THE
OVERSEERS OF THE POOR.

CITY OF SOMERVILLE.

IN BOARD OF ALDERMEN, February 13, 1895.

Referred to Committee on Printing, to be printed in the Annual Reports.
Sent down for concurrence.

GEORGE I. VINCENT, *Clerk*.

IN COMMON COUNCIL, February 13, 1895.

Referred to Committee on Printing, to be printed in the Annual Reports,
in concurrence.

CHARLES S. ROBERTSON, *Clerk*.

BOARD OF OVERSEERS OF THE POOR, 1894.

Hon. WILLIAM H. HODGKINS, *Chairman, ex officio.*

NATHAN H. REED, *President*, term expired May, '94 Ward One.

HERBERT E. MERRILL, term began May, '94 . Ward One.

EDWARD B. WEST, *President* Ward Two.

JAMES G. HINCKLEY Ward Three.

ALBERT W. EDMANDS Ward Four.

COMMITTEES.

ON INVESTIGATION AND RELIEF.—Mr. Reed, Mr. West, and Mr. Merrill.

ON FINANCE.—Mr. Hinckley and Mr. Edmands.

CHARLES C. FOLSOM, *General Agent.*

CORA F. LEWIS, *Secretary.*

ALVAH B. DEARBORN, M. D., *City Physician.*

Office : Police Building, Bow St.

CITY OF SOMERVILLE.

TO THE HONORABLE, THE MAYOR AND THE CITY COUNCIL OF THE
CITY OF SOMERVILLE:—

Gentlemen,—The ninth annual report of the Overseers of the Poor, since its reorganization, is herewith submitted. The tables will give a slight glance at the details of the work.

MEMBERSHIP.

Nathan H. Reed, who had served on the Board since 1890, declined a re-election, having been elected Principal Assessor from Ward One. He was President of the Board during the year 1893, and performed the duties of his office in a very impartial and satisfactory manner, giving much of his time to uplift and benefit the unfortunate.

Ex-Councilman Herbert E. Merrill was elected in his place.

James G. Hinckley was elected to the City Council in December, 1894, and soon after resigned as Overseer of the Poor. Ex-Alderman Ezra D. Souther was elected in his place. Mr. Hinckley took much interest in the work of the department and was always ready and willing to do everything possible for the relief of the destitute.

Mr. Edward B. West of Ward Two was chosen President of the Board at the annual meeting in May, and still holds that position.

Mr. Charles C. Folsom, who has been General Agent for nearly ten years, is still the Almoner of the department.

Miss Cora F. Lewis has now closed her second year as Secretary of the Board.

Nearly every meeting during the year has been attended by all of the members, and all of their deliberations have been characterized by harmonious thought and action.

WORK OF THE DEPARTMENT.

During January, February and March, 1894, many persons being idle, owing to the business depression, were compelled to ask for assistance. Some work was furnished by the City, which was appreciated by the most of those to whom it was offered. In the last months of the year 1894, the poor people were employed more than they were in the corresponding months of 1893, and consequently did not require so much aid from the City. We aided during the year 1,193 persons, an increase over 1893 of 299, divided into 269 families, an increase of thirty-one. Sixty-three of the above persons were insane in hospitals and in private families, and thirty-six were sane persons we were fully supporting in out-of-town almshouses and private families.

The Associated Charities have assisted us somewhat in our work, by aiding many families who would undoubtedly have applied to us. We have worked together very pleasantly, although not always thinking alike in reference to all cases.

We are not called upon to assist in the expense of as many burials as was the case some years ago, owing to the fact that it has become the custom among the poorer classes to have the lives of all the members of the family insured for a sum sufficient to pay the funeral bills.

This may save us something in the line of funerals, but many persons use what little money they have to pay the assessments on insurance, and for expensive furniture bought upon the instalment plan, and then come to the City for something to eat.

In the early part of the year, at the request of the Board, a hearing was granted by the Finance Committee of the City Council in reference to securing better accommodation for our full support paupers.

All of the members availed themselves of the opportunity of being present. Facts were submitted showing that the time had come to secure land in a suitable location, and in our opinion, to make arrangements for the erection of an almshouse. No action was taken, however, except to refer the matter to a sub-committee, who did not find time to look the matter up and report, so far as we have been able to find out. This leaves us at the close of the year just where we were at the beginning.

At the close of the year 1894, we were paying rent for fifteen families, averaging \$5.93 each.

We have assisted in the burial of thirteen persons, at an average cost of \$11.38.

We have given five permits for persons to enter the State Almshouse at Tewksbury. The Agent has visited persons in whom we were interested, in Maine, New Hampshire, and in most all parts of this State, in the interest of the City of Somerville.

We can truly say that the year 1894 has been the busiest in the history of the department.

As has been said so many times, if we could have an almshouse of our own it would simplify matters very much.

The Appropriation for 1894 was \$15,000. Total Expenditures, \$19,733.13. Net Expenditures, \$16,364.49. Collected from State, \$1,032.09, from Cities and Towns, \$1,901.44, from Individuals, \$418.11.

We sent bills to the City Treasurer for collection, amounting to \$4,337.99, against \$2,751.26 in 1893.

The Working Committees of the Board in 1894:—On Finance, Messrs Hinckley and Edmands.

On Investigation and Relief, Messrs. Reed, West, and Merrill.

For details see accompanying tables.

Respectfully submitted,

WILLIAM H. HODGKINS, *Chairman, ex officio.*

NATHAN H. REED, *President, Ward One.*

(Signed)

HERBERT E. MERRILL, *Ward One.*

EDWARD B. WEST, *President, Ward Two.*

JAMES G. HINCKLEY, *Ward Three.*

ALBERT W. EDMANDS, *Ward Four.*

Board of Overseers of the Poor.

TABLE No. 1.

PARTIAL SUPPORT.

(Out-door Relief.)

Families aided	269
Persons aided	1,193
Burials	13
Permits to the Tewksbury Almshouse	5

TABLE No. 2.

FULL SUPPORT.

(During the year.)

In Almshouses	16
In private families	12
In hospitals	21
In Massachusetts School for the Feeble-minded	3
In House of the Angel Guardian	1
Insane persons in private families	5
Insane persons in hospitals	63

TABLE No. 3.

FULL SUPPORT.

(At present time, December 31, 1894.)

In out-of-town almshouses	10
In private families	14
Insane in hospitals (we are reimbursed for 5)	51
Insane in private families	5

TABLE No. 4.
RECAPITULATION.

Appropriation	\$15,000.00
Reimbursements	3,368.64
	<hr/>
Total receipts	\$18,368.64
Total expenditures	19,733.13
	<hr/>
Account overdrawn	\$ 1,364.49
Net expenditures	16,364.49

TABLE No. 5.
REIMBURSEMENTS.

Commonwealth of Massachusetts	\$1,032.09
City of Boston	466.22
“ Cambridge	265.49
“ Lowell	6.00
“ Malden	13.60
“ Medford	61.05
“ Newton	469.89
“ Somerville (another department)	41.00
“ Waltham	35.00
“ Woburn	21.35
Town of Brookline	2.00
“ Canton	15.41
“ Lexington	146.00
“ No. Adams	5.00
“ No. Andover	162.09
“ Northampton	24.65
“ Revere	114.55
“ Stoneham	52.14
Guardians and Relatives	418.11
Money not called for	17.00
	<hr/>
	\$3,368.64

TABLE No. 6.

EXPENDITURES, IN DETAIL, FOR THE YEAR 1894.

1894.	Rent.	Board.	Groceries.	Towns and Cities.	Public Institutions.	Boots and Shoes.	Dry Goods.	Burial.	Salaries.	Fuel.	Sundries.	Total.
January	\$64.00	\$221.10	\$651.05	\$1,428.48	\$1,730.84	\$5.50	—	—	\$145.84	\$253.25	\$62.57	\$4,562.63
February	77.00	85.00	260.31	15.60	240.63	—	—	\$20.00	145.83	165.55	35.88	1,045.80
March	64.50	232.15	437.62	18.00	1,503.40	43.20	—	20.00	183.33	89.21	65.05	2,656.46
April	62.00	106.63	180.99	25.83	313.71	—	—	10.00	158.33	—	65.16	922.65
May	62.00	87.33	174.72	57.55	—	—	—	—	158.33	—	20.73	560.66
June	72.00	198.41	338.36	—	1,407.57	20.95	—	8.00	158.34	—	66.48	2,270.11
July	72.00	80.90	107.81	347.24	615.81	—	—	10.00	158.33	—	21.38	1,413.47
August	66.00	84.90	174.50	191.69	—	—	\$ 8.25	32.00	158.33	—	13.35	729.02
September	66.00	212.90	216.68	128.51	1,665.36	15.00	—	10.00	158.33	—	53.18	2,525.97
October	74.00	106.97	160.49	26.00	331.14	1.50	5.50	10.00	158.33	37.70	33.55	945.18
November	74.00	116.26	156.48	432.71	327.66	4.90	—	13.00	158.33	126.15	16.30	1,425.79
December	74.00	220.82	89.59	—	—	22.30	10.55	15.00	158.34	67.91	16.88	675.39
Total	\$827.50	\$1,753.37	\$2,948.60	\$2,671.61	\$8,136.12	\$113.35	\$24.30	\$148.00	\$1,900.00	\$739.77	\$470.51	\$19,733.13

TABLE No. 7.

GROSS EXPENDITURES FROM 1883 TO 1894, INCLUSIVE.

1883.	1884.	1885.	1886.	1887.	1888.	1889.	1890.	1891.	1892.	1893.	1894.
\$15,959.80	\$17,272.52	\$16,430.32	\$14,341.83	\$13,430.89	\$13,375.98	\$14,610.92	\$15,261.14	\$15,980.49	\$17,015.30	\$17,799.58	\$19,733.13

REPORT
OF THE
CITY PHYSICIAN.

CITY OF SOMERVILLE.

IN BOARD OF ALDERMEN, January 16, 1895.

Referred to Committee on Printing, to be printed in the Annual Reports.
Sent down for concurrence.

GEORGE I. VINCENT, *Clerk.*

IN COMMON COUNCIL, January 16, 1895.

Reference concurred in.

CHARLES S. ROBERTSON, *Clerk.*

CITY OF SOMERVILLE.

OFFICE OF THE CITY PHYSICIAN,)
January 1, 1895.)

TO HIS HONOR, THE MAYOR, AND THE CITY COUNCIL: —

Gentlemen,—I present the following as a summary of the work done by me as City Physician for the year ending December 31, 1894: —

Fifteen hundred and twenty-six visits have been made.

Number of persons treated at my office, three hundred eighty-seven.

One hundred and forty persons have had teeth extracted.

Seventy-four children have been vaccinated.

Number of visits at the police station, thirty-two.

Twenty-five women were attended in childbirth.

Eighteen persons were examined for the police force, and twenty-one for permanent men in the fire department.

Five visits were made and certificates given where persons had died unattended by a physician.

Respectfully submitted,

ALVAH B. DEARBORN,

City Physician.

REPORT

OF THE

COMMITTEE ON HIGHWAYS.

CITY OF SOMERVILLE.

IN BOARD OF ALDERMEN, January 30, 1895.

Referred to Committee on Printing, to be printed in the Annual Reports. Sent down for concurrence.

GEORGE I. VINCENT, *Clerk.*

IN COMMON COUNCIL, January 30, 1895.

Referred to Committee on Printing, to be printed in the Annual Reports, in concurrence.

CHARLES S. ROBERTSON, *Clerk.*

CITY OF SOMERVILLE.

IN COMMITTEES ON HIGHWAYS, January 1, 1895.

TO THE CITY COUNCIL : —

Gentlemen, — The Committee on Highways presents the following report for the year ending December 31, 1894 : —

HIGHWAYS ACCOUNT.

CREDIT.

Appropriation	\$60,000.00
Receipts and credits :	
For labor and materials furnished prior to January 1, 1894, the bills for which remained uncol- lected that day	1,408.21
Rent of dwelling at City Farm	\$136.00
Less water rates	18.13
	<hr/> 117.87
Health Department account, building at Gravel Bank	125.00
Money approved in pay-roll not called for	12.75
Value of tools and personal property on hand January 1, 1894	11,839.70
Value of materials on hand January 1, 1894	480.00
	<hr/>
Total credit	\$73,983.53

DEBIT.

Expenditures :

For laying out Bartlett, Bigelow, Claremon, Cypress, Hancock, Knapp, Leon, Lowell, Munroe, Robinson, Trull, Wheeler, War- wick, Waldo streets, Cutter ave- nue, Fanning avenue and West- wood road (advertising notice of hearings)	\$173.00
--	----------

Construction of Streets :

Billingham street, from William street to Broadway	\$260.40	
Claremon street, from Holland street to Mead street	399.40	
Essex street, from Medford street to Richdale avenue	52.85	
Greenville street, from Medford street to Munroe street	427.35	
Gorham street, from Holland street to Howard street	197.80	
Hall avenue, from Elm street southeasterly 400 feet	510.70	
Heath street, from Bond street to Temple street	168.60	
Hudson street, from Cedar street to Lowell street	504.65	
Jenny Lind avenue, from Broad- way to Medford street	503.30	
Munroe street, from Walnut street easterly 350 feet	241.70	
New Cross street, from Broadway to Mystic avenue	811.20	
Porter street, from Highland ave- nue to Summer street	378.70	
<i>Amounts carried forward</i>	<hr/> \$4,456.65	<hr/> \$173.00

<i>Amounts brought forward</i> . . .	\$4,456.65	\$173.00
York Terrace, from Central street to Harvard place	275.00	
	<hr/>	\$4,731.65
Street crossings . . . . .	. . . . .	1,021.65
Street signs erected . . . . .	. . . . .	185.85
Repairs and improvement of streets and paving of gutters in con- nection with setting of edge- stones :		
Billingham street, northwesterly side Broadway to William street, paving	\$225.95	
Beacon street, easterly side, Kent to Miller street, paving	303.90	
Broadway, southerly side, Rush to Cross street, paving	57.70	
Bond street, in front of the estate of Geo. G. Fox, paving	24.20	
Belmont street, in front of the estate of Joseph K. James, pav- ing	30.30	
Central street, northwesterly side, from Highland avenue to Rail- road, paving	134.20	
Repairs	448.60	
Cherry street, easterly side, High- land avenue to Summer street, paving	140.00	
Dickinson street, easterly and southerly sides, Cambridge line to Springfield street, paving . .	247.60	
Essex street, both sides, Medford street to Richdale avenue, pav- ing	176.00	
	<hr/>	<hr/>
<i>Amounts carried forward</i> . . .	\$1,788.45	\$6,112.15

<i>Amounts brought forward</i> . . .	\$1,788.45	\$6,112.15
Elm street, in front of Nathan Tufts Park, paving	474.20	
Repairs	145.05	
Elm street, southerly side, Russell street to Davis square, paving	52.80	
Fenwick street, around Langmaid terrace, paving	19.05	
Fenwick street, in front of estate of Geo. G. Fox, paving	51.55	
Highland avenue, in front of Club House, paving	36.20	
Hawthorn street, westerly side, Broadway to Arlington street, paving	80.10	
Heath street, northerly side, Temple to Bond street, paving	454.20	
Heath street, in front of estate of Geo. G. Fox, paving	239.40	
Kingman court, westerly side, Washington street to within 50 feet of end of court, paving	35.85	
Lake street, southerly side, Hawkins street to South Church street, paving	271.50	
Medford street, in front of estate of New England Dressed Meat & Wool Co., paving	121.10	
Medford street, southwesterly side, Central to Bartlett street, paving	212.30	
Munroe street, northwesterly side, from Walnut street to land of Jones, paving	166.50	
<i>Amounts carried forward</i> . . .	<u>\$4,148.25</u>	<u>\$6,112.15</u>

<i>Amounts brought forward</i> . . .	\$4,148.25	\$6,112.15
Munroe street, southwesterly side, from Walnut street to southerly line estate of Mary W. Went- worth, paving	104.95	
Porter street, both sides, High- land avenue to Summer street, paving	610.20	
Richdale avenue, southwesterly side, School to Sycamore street, paving	264.10	
Vernon street, in front of estate of B. Binney and others, paving	21.70	
Webster avenue, easterly side, Beach avenue to school lot, and westerly side, Tremont street to Cambridge line, paving . . .	451.65	
Repairs	56.00	
Webster avenue, westerly side, Tremont to Prospect street, paving	271.55	
	<hr/>	\$5,928.40
Ordinary repairs of streets :		
Broadway, at Willow bridge . .	\$ 198.00	
Elm street, from Willow avenue to Cedar street	1,740.60	
Highland avenue, from Central street westerly and easterly, 200 feet each way	279.80	
Medford street, from Somerville avenue to Fitchburg railroad .	1,649.45	
School street, from Berkeley street to Somerville avenue . . .	765.80	
Washington street, Fitchburg rail- road to Beacon street . . .	3,923.60	
General repairs	10,201.27	
	<hr/>	\$18,758.52
<i>Amount carried forward</i>		\$30,799.07

<i>Amount brought forward</i>	\$30,799.07
Cost to City of sidewalks, the bricks and edgestones for which were furnished or paid for by the abutters (see Table D at end of this report) .	2,110.38
Books, stationery and printing	70.00
Glen Street sewer assessment	15.88
Sundry small expenses	125.19
Repairs of house at Wellington bridge . . .	36.52
Removing snow and ice and care of slippery side- walks	3,814.38
Repairs of brick sidewalks	3,138.75
Cleaning streets	6,525.95
Setting stone bounds	39.00
Setting trees	229.40
Trimming trees	302.80
Building at crusher	269.63
Laying out triangular lot, Broadway at junction of Holland street	115.46
Repairs of Boston Avenue bridge	190.37
Insurance and grading around new City stable	1,212.95
Opening of street, Westwood road at Central street	20.61
Opening of street, Westwood road at Benton ave- nue	23.55
Superintendent's salary	1,600.00
Board of Superintendent's horses	417.17
Superintendent's telephone	2.95
One half cost of maintenance of Middlesex Ave- nue bridge, the other half being paid by the City of Medford	425.99
Clearing Cross and Pearl streets, after relaying of tracks by the West End Street Railway Co. .	1,643.35
Private work, the bills for which remain uncol- lected	457.05
Value of materials on hand this day	1,200.00
<i>Amount carried forward</i>	<hr/> \$54,786.40

<i>Amount brought forward.</i>		\$54,786.40
Value of tools and personal property on hand this day :		
Horses	\$3,100.00	
Carts and implements used with Horses	1,718.00	
Harnesses and horse clothing	256.00	
Stable utensils and property	29.85	
Tools	1,279.55	
Stone crusher and fittings	2,202.00	
Steam road roller	2,055.00	
		<hr/> \$10,640.40
Net loss on tools, property and mate- rials		8,065.54
		<hr/>
Total debit		\$73,492.34
		<hr/>
Balance unexpended		<u>\$491.19</u>

Labor and materials have also been furnished and property sold, for which payment has been received by the City Treasurer or credit received from other accounts, as follows :

Private parties, constructing driveways and side- walks	\$2,582.94
Fire Department account, constructing driveways (Central Fire Station and Hook and Ladder House, Highland avenue)	1,284.06
Public Grounds account, sidewalk, Nathan Tufts Park	1,079.94
Sidewalks account, materials and use of horses	1,897.74
	<hr/>
Total	<u>\$6,844.68</u>

The Profit and Loss account on city teams, tools, property and materials is as follows :

DEBIT.	
Steam road roller (depreciation)	\$1,132.21
Repairs of steam road roller	856.95
Tools (depreciation)	455.16
Repairs of tools	262.42
Stone crusher and fittings	217.00
Holland Street ledge	1,911.70
Edgestones and paving stock	10.31
Crushed stone (to which amount is charged repairs at crusher)	3,056.32
City teams	163.47
Total	<u>\$8,065.54</u>

No charge has been made for the use of the steam roller on the streets, except for the time of the engineer, at the same rate as in former years.

Crushed stone placed on the streets has been charged at the rate of seventy-five cents for each single load at the crusher, being the same rate as has been charged each year.

Gravel has been charged at the rate of twenty-five cents per single horse load, and sand at the rate of fifty cents per single horse load.

Number of loads of gravel taken from North Street bank	5,135
Number of loads of sand taken from North Street bank	1,409
Number of loads of stone for crusher from Holland Street ledge	5,618
Number of loads of stone crushed	9,475

The charges to the City Teams account are as follows :

Horses (depreciation)	\$1,095.00
Carts and implements used with horses (deprecia- tion)	992.00
<i>Amount carried forward</i>	<u>\$2,087.00</u>

<i>Amount brought forward</i>	.	.	.	.	\$2,087.00
Repairs of same	.	.	.	.	772.36
Stable Utensils and property	.	.	.	.	55.85
Stable expenses and repairs	.	.	.	.	1,419.47
Grain and feed	.	.	.	.	2,929.20
Hay and straw	.	.	.	.	1,722.48
Horseshoeing	.	.	.	.	760.56
Horse medicine and doctoring	.	.	.	.	115.90
Harnesses and horse clothing (depreciation)	.	.	.	.	143.00
Repairs of same	.	.	.	.	575.05
Total	.	.	.	.	<u>\$10,580.87</u>

The above statement does not include the keeping or use of the Superintendent of Streets' team, the cost of which is kept separately, as stated in table of expenditures. Each horse is credited at the rate of \$1.40 for each day he works during the year.

Five new horses have been purchased during the year at a cost of \$935 ; one has been sold for \$40, and two have died, making the total number of horses in the department, including the two used by the Superintendent of Streets, twenty-eight, being two more than in 1893.

SIDEWALKS ACCOUNT.

	CREDIT.	
Appropriation	.	\$10,000.00
	DEBIT.	
Expenditures :		
For 33 sidewalks, as per table C		
at the end of this report	.	\$19,811.22
Abatement of sidewalk assess-		
ment, Beacon street	.	31.67
Thomas Groom & Co., books	.	26.00
		<u>\$19,868.89</u>
Less assessments and receipt	.	9,905.65
		<u>\$9,963.24</u>
Cost to City	.	
Balance unexpended	.	<u><u>\$36.76</u></u>

EDGESTONES AND PAVING STOCK.

Lineal feet of edgestones set (including 4,333 feet reset), 20,452.3; square yards of brick paving laid (including 4,070 yards relaid), 16,511.4; square yards of stone paving laid (including 750 relaid), 7,567.

CITY STABLE. (New.)

CREDIT.

Appropriation	\$14,500.00
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DEBIT.

Expenditures:

A. H. Gould, on account of architect's services	\$ 560.35
Lord Bros., on account of contract	9,000.00
Laying service pipe	15.00
Laying drain	711.53
Vane	65.00

Total debit	\$10,351.88
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Balance unexpended	<u>\$4,148.12</u>
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TABLES.

Tables are furnished herewith, giving lists of streets accepted, streets improved, sidewalks constructed for which one half the cost was assessed, sidewalks constructed, the bricks and edgestones for which were furnished by the abutters, driveways constructed at the abutters' expense, and crossings laid.

F. W. GILBERT, *Chairman.*

WILLIAM P. MITCHELL, *Clerk.*

TABLE A.

STREETS ACCEPTED.

NAME.	FROM.	TO.	LENGTH IN FEET.
Bartlett	Medford	Vernon	820
Bigelow	Boston	Munroe	208
Claremon	Holland	Mead	560
Cutter avenue	Highland avenue . .	Summer	480
Cypress	Central	Beach	262
Delaware	Pearl	Aldrich	451
Fanning avenue . . .	Highland avenue . .	Lexington avenue . .	376
Hall avenue	Elm	Liberty avenue . . .	926
Hancock	Elm	Summer	781
Knapp	School	Granite	379
Leon	Concord avenue . .	Dickinson	155
Lowell	Medford	Vernon	1,141
Munroe	Walnut	To land of Hartwell } and Jones }	375
Porter	Highland avenue . .	Summer	830
Robinson	Central	Bartlett	582
Trull	Medford	Vernon	1,050
Waldo	Highland avenue . .	Hudson	287
Warwick	Cedar	Warwick avenue . . .	665
Westwood road . . .	Central	Benton avenue . . .	487

TABLE B.
STREETS IMPROVED.

STREET.	FROM.	TO.	IMPROVEMENT.	FEET.
Billingham . . .	William . . .	Broadway . .	Macadamized .	568
Central	Highland avenue	Railroad . .	Macadamized .	500
Claremon . . .	Holland . . .	Mead	Macadamized .	560
Cross	Broadway . . .	Gilman . . .	Regraded . . .	1,800
Cross	Broadway . . .	Mystic avenue	Macadamized .	2,000
Elm	Junction of . .	Broadway . .	Macadamized .	400
Elm	Beach	Somerville ave.	Macadamized .	2,000
Essex	Richdale avenue	Medford . . .	Macadamized .	232
Gorham	Holland	Howard . . .	Remacadamized	763
Greenville . . .	Medford	High	Macadamized .	660
Hall avenue . .	Elm	Easterly . . .	Macadamized .	500
Heath	Temple	Bond	Macadamized .	1,043
Highland avenue	Central	Westerly . . .	Macadamized .	300
Highland av. and Medford street }	In front of . .	Cen. Fire Station	Remacadamized	500
Hudson	Lowell	Cedar	Graded	1,380
Medford	Washington . .	Somerville ave.	Macadamized .	1,000
Medford	School	Lee	Remacadamized	1,000
Munroe	Walnut	Easterly . . .	Macadamized .	375
Partridge avenue.	Broadway . . .	Medford . . .	Macadamized .	300
Porter	Highland avenue	Summer . . .	Macadamized .	830
School	Berkeley . . .	Somerville ave.	Macadamized .	1,200
Washington . .	Union square .	Beacon	Macadamized .	2,000
Total length	improved	(in feet) . . .	. . . . .	19,911

TABLE C.
SIDEWALKS CONSTRUCTED, WHERE THE MATERIALS AND LABOR WERE FURNISHED BY THE CITY,
AND ONE HALF THE COST WAS ASSESSED UPON THE ABUTTING ESTATES.

STREET.	Side.	From.	To.	FEET OF EDGESTONES.	YARDS OF BRICKS.	COST.
Beacon	Northerly	Concord ave.	Dickinson	—	447.1	\$ 384.35
Beacon	Easterly	Kent	Miller	1,087 0	—	780.59
Beacon and Kent	{ Northeasterly & Southwesterly }	Around	Durell School	215.7	—	176.68
Berkeley	Northerly	School	Central	—	917.2	1,026.65
Billingham	Northwesterly	Broadway	William	592.6	392.0	926.26
Broadway	Southerly	Rush	Near Cross	143.3	195.0	364.62
Broadway	Southerly	Cross	Near Arthur	—	502.9	604.68
Central	Westerly	Highland ave.	Boston & Maine Railroad	522.2	455.0	947.43
Cherry	Easterly	Summer	Highland avenue	504.7	399.1	757.79
Dickinson	{ Easterly and Southerly }	Cambridge Line	Springfield	737.0	—	498.89
Elm	Southerly	Russell	Davis square	237 0	889.7	972.38
Elm	Northwesterly	Summit	Kenwood	—	224.0	236.85
Essex	Both	Medford	Richdale avenue	494.2	—	339.52
Flint	Northerly	Cross	Aldrich	—	504.7	515.35
Gibbens	Southerly	Central	Benton avenue	—	333.7	336.85
Hathorn	Westerly	Broadway	Arlington	327.8	—	256.69
Heath	Northerly	Temple	Bond	1,042.3	—	909.37
Highland ave.	Northeasterly	Central	{ Westerly line, Est. Central Club Association }	92.1	75.0	170.05
Highland ave.	Southwesterly	Putnam	{ Westerly line, Est. Heirs J. B. Johnson }	—	117 0	138.25
Lake	Southerly	Hawkins	South Church	859.8	—	614.67
Medford	Southwesterly	Central	Bartlett	647.8	—	446.91

TABLE C. — *Concluded.*

STREET.	SIDE.	FROM.	TO.	FEET OF EDGESTONES.	YARDS OF BRICKS.	COST.
Medford	Southwesterly	School	Lee	—	592.0	\$ 628.35
Munroe	Northerly	Walnut	{ Southeasterly line, Est. }	377.9	290.5	569.54
Munroe	Southerly	Walnut	{ Mary W. Wentworth }	366.3	259.7	516.12
Preston	{ Southerly and }	School	To land of Mary Jones	—	589.4	572.63
Porter	{ Westerly }	Summer	Summer	1,674.3	—	1,782.14
Putnam	Both	Highland ave.	Highland avenue	—	947.1	1,036.50
Quincy	Westerly	Somerville ave.	Summer	—	571.0	558.55
Richdale ave.	Southerly	School	Summer	884.0	—	661.65
School	Westerly	Evergreen ave.	Sycamore	—	594.0	567.05
Walnut	Westerly	Pearl	Broadway	—	190.4	227.70
Wallace	Westerly	Holland	Veazie	—	912.9	849.10
Webster ave.	{ Easterly and }	{ Beach ave. }	Broadway	626.0	—	437.06
	{ Westerly }	{ Tremont }	To School lot, Cambridge Line	11,432.0	10,399.4	\$19,811.22
Total						

TABLE D.

SIDEWALKS CONSTRUCTED WHERE THE EDGESTONES AND BRICKS WERE FURNISHED OR PAID FOR BY THE ABUTTERS.

FOR.	STREET.	FEET OF EDGE- STONES.	YARDS OF BRICKS.
Fanny I. Bradshaw	Westwood road	76.6	—
Charles F. Brine	36 Columbus ave. . . .	—	28
John H. Brine	38 Columbus ave. . . .	—	28
George W. Bean	40 Columbus ave. . . .	—	29
Luizde Soma Bettencurt . .	59 Webster ave. . . .	33.	—
Barnabas Binney	Vernon st. . . .	38.4	—
Boston & Maine R. R. Co. .	Davis sq. . . .	86.6	125
William A. Campbell . . .	286 Cedar st. . . .	38.	—
Mary Dorney	61 Webster ave. . . .	53.	—
Olive H. Durell	53 Chandler st. . . .	25.9	18
William A. Flaherty . . .	261 Washington st. . . .	—	14
Nathan E. Fitz	335 Broadway	—	71
George G. Fox	369 Broadway	—	157
George G. Fox	Fenwick st. . . .	108.4	92
George G. Fox	Bond st. . . .	120.5	95
George G. Fox	Heath st. . . .	207.8	—
Ann Fitzpatrick	63 Webster ave. . . .	34.	—
Lavina P. Fuller	Walnut st. . . .	—	85
John L. Greenough	Vernon st. . . .	38.	—
Anthony Haderbolets . . .	Walnut st. . . .	—	22
J. F. Ham	102 Flint st. . . .	—	27
Florence E. Holmes	Heath st. . . .	141.8	—
Emma O. Hill	Prospect Hill ave. . . .	—	64
Joseph K. James	Belmont st. . . .	120.7	88
F. M. Kilmer	54 Adams st. . . .	—	18
Edward Keating	Kent st. . . .	65.9	—
John Kelliher	288 Cedar st. . . .	38.	—
E. W. Lundhall	5 Billingham st. . . .	44.7	33
Mary Langmaid	345 Broadway	—	180
Heirs S. P. Langmaid . . .	Fenwick st. . . .	104.1	180
David L. McGregor	139 Walnut st. . . .	—	33
Christopher T. McGrath . .	Kingman court	160.9	65
Christopher T. McGrath . .	274 Washington st. . . .	34.9	45
William Mullan	16 and 18 Kingman court .	42.	21
Michael Martell	57 Webster ave. . . .	33.	—
Alexander Munroe	Newton st. . . .	—	90
Ellen A. Murphy	66 Webster ave. . . .	30.	—
New England Dressed Meat and Wool Co. . . .	Medford st. . . .	427.1	—
North Packing and Provision Co. . . .	Medford st. . . .	431.8	—
James O'Donnell	92 Webster ave. . . .	35.	—
Mary O'Donnell	94 Webster ave. . . .	66.	—
Antonia Preiva	55 Webster ave. . . .	17.	—
David Rosenfeld	Main st. . . .	77.9	—
Harriet E. Snow	14 Kingman court	21.	10

TABLE D.—*Concluded.*

FOR.	STREET.	FEET OF EDGE- STONES.	YARDS OF BRICKS.
Edmund S. Sparrow . . .	18 Meacham st.	97.8	93
Martha M. Sturtevant . . .	Sanborn ave.	102.3	70
Somerville Journal Co. . . .	Walnut st.	-	77
Isabella F. Silva	68 Webster ave.	40.	-
William Veazie	135 Walnut st.	-	117
Warren P. Wilder	Summer st.	-	67
Samuel H. Wilkins	109 Orchard st.	139.3	-
Total . . . . .	. . . . .	3,131.4	2,042

TABLE E.

DRIVEWAYS CONSTRUCTED AT EXPENSE OF ABUTTERS.

FOR.	LOCATION.
Margaret A. Brown	24 Cutter street
City of Somerville (Fire Department)	Highland avenue
City of Somerville (Fire Department)	Medford street
Hiram A. Clarry	Cross street
Edward Cox	63 and 65 Bow street
George W. Clark	40 Prescott street
W. A. Crosby	34 Rush street
James P. Haddie	Somerville avenue
Edward J. Llewellyn	216 Somerville avenue
Charles O. Lailer	369 Medford street
Charles Lynam	6 Chandler street
Fred L. Pulsifer	55 Prescott street
George B. Pitcher	Preston street
Catherine J. Sherry	32 Prescott street
Eugene Selg	15 Adams street
John Sweeney	212 Somerville avenue
Addie A. Snow	34 Preston street
Harmon S. Trueman	145 Summer street
Andrew Thompson	275 Washington street

TABLE F.

CROSSINGS CONSTRUCTED.

Broadway, across end of Autumn street.

Cross street, in line with the northeasterly side of Pearl street.

Cross street, northwesterly side, across end of Otis street.

Cross street, southeasterly side, across end of Ellsworth street.

Cross street, southeasterly side, across Pearl street.

Elm street, in line with the southwesterly side of William street.

Elm street, northwesterly, across end of Chapel street.

Holland street, westerly side, across end of Thorndike street.

Munroe street, across same, in front of house No. 81.

Summer street, westerly side, across end of Quincy street.

Union square, across end of Bow street.

Union square, across end of Warren avenue.

REPORT
OF THE
COMMITTEE ON SEWERS.

CITY OF SOMERVILLE.

IN BOARD OF ALDERMEN, March 13, 1895.

Referred to Committee on Printing, to be printed in the Annual Reports.
Sent down for concurrence.

GEORGE I. VINCENT, *Clerk*.

IN COMMON COUNCIL, March 14, 1895.

Referred to Committee on Printing, to be printed in the Annual Reports,
in concurrence.

CHARLES S. ROBERTSON, *Clerk*.

CITY OF SOMERVILLE.

IN COMMITTEE ON SEWERS, January 1, 1895.

TO THE BOARD OF ALDERMEN OF SOMERVILLE : —

The Committee on Sewers presents the following final report for the year 1894 : —

MAINTENANCE ACCOUNT.

CREDIT.

Appropriation	\$7,000.00
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Receipts and Credits :

For fee for drainage of asylum building into Fitchburg Street sewer labor and materials furnished in 1893, the bills for which remained uncollected January 1, 1894	\$50.00	
dividend on private sewer Timothy Tufts, built in 1888	32.53	
	7.80	
	<hr/>	90.33
Value of tools and property on hand, January 1, 1894, transferred from Construction account		53.84
Value of tools and property on hand January 1, 1894		823.60
Value of materials on hand, January 1, 1894		70.06
		<hr/>
Total credit		\$8,037.83

DEBIT.

Expenditures :

For repairing sewers and drains	\$ 132.18
inspecting house drains	453.10
flushing sewers and filling catch-basins	501.52
cleaning catch-basins	1,754.86
repairing catch-basins	179.11
opening mouths of catch-basins	198.88
changing line and grade of catch-basins	159.51
examining catch-basins	6.75
cleaning sewers	280.12
changing line and grade of manholes	116.71
changing line and grade of manholes for West End Street Railway Co.	122.08
repairing manholes	13.90
cleaning manholes	148.49
examining manholes	42.00
examining sewers	51.01
soundings for ledge	3.25
cleaning ditches	314.26
cleaning and dredging Bridge Street sewer out- let	2,402.03
removing earth after completion of sewers	11.75
connecting High School drain with Highland Avenue sewer	13.56
digging to locate old sewer	2.50
sundry expenses	116.42
A. M. Prescott, bill overpaid to December 31, 1894	35.00
books, stationery and printing	38.00
unpaid bills of 1893	3.50
arranging tools and property	20.00
repairs of tools and property	24.26
Depreciation in value of tools, property and ma- terials	255.53
Value of materials on hand, December 31, 1894	40.02
<i>Amount carried forward</i>	<u>\$7,440.30</u>

<i>Amount brought forward</i>	\$7,440.30
Value of materials on hand transferred to Construc- tion account	30.00
Value of tools and property on hand December 31, 1894 (including purchases during the year, \$179.72)	732.25
Total debit	<u>\$8,202.55</u>
Amount overdrawn	\$164.72

Labor and materials have also been furnished and credit has been received for the same as follows :

Public Grounds account, materials furnished at Cen- tral Hill and Somerville Avenue cemetery	\$ 1.00
Puddling sewer trenches	20.64
Removing earth after completion of sewer	9.64
Repairing drain	6.25
Total	<u>\$37.53</u>

CONSTRUCTION ACCOUNT.

CREDIT.

Appropriation	\$20,000.00	
Unexpended balance of 1893	256.75	
	<u> </u>	\$20,256.75
Receipts and Credits :		
For catch-basin curbs in sidewalks, received credit from Sidewalks account	\$ 44.32	
fee for drainage of estates into Line Street sewer	100.63	
labor and materials furnished in 1893, the bills for which re- mained uncollected January 1, 1894	17.44	
	<u> </u>	\$ 162.39
unpaid bills of 1894		2,425.84
Value of materials on hand January 1, 1894		52.61
		<u>\$22,897.59</u>

DEBIT.

Expenditures :

For twenty-four sewers as per accompanying table	\$15,602.64	
Less cost of sounding for ledge, Hall Avenue sewer, paid in 1892	29.74	
	<hr/>	
	\$15,572.90	
Less assessments	12,112.61	
	<hr/>	
		\$3,460.29
For fifty-five catch-basins (average cost \$72.14)		3,967.65
rebuilding manhole at end of North Union Street sewer		263.52
awards for taking of land, Hall avenue, Kidder avenue and Francesca avenue		200.00
laying drain from pond on line of sewer, Austin street and Mystic avenue to North Union street		59.25
laying drain at Central Fire station		107.01
laying drain, Grove street, east side, north line of railroad		28.32
laying surface drain, Cameron avenue, westerly .		64.76
digging for ledge		274.98
relocating catch-basin, Hamlet street . . .		29.49
extending outlet of North Union Street sewer .		14.00
books, stationery and printing		17.00
sundry expenses		57.76
abatement of sewer assessments		233.50
unpaid bills of 1893		6,111.99
Value of materials on hand December 31, 1894 .		30.00
		<hr/>
Total debit		\$14,919.52
		<hr/>
Balance unexpended		\$7,978.07

Labor and materials have also been furnished and credit has been received for the same as follows :

Highways account, constructing sewer and drain at new City stables at City Farm	\$702.21
Joseph F. Wilson, constructing sewer in passageway off Newbury street	70.93
Henry Green, drainage of lots in Cambridge into Line Street sewer	100.63
J. E. Parsons, constructing sewer, Pearl street	97.97
Total	<hr/> \$971.74

Appended hereto is a table of sewers built during the year.

Twenty-four sewers have been built during the year, being two less than in 1893.

Fifty-five catch-basins have been built, while in 1894 there were but thirty-eight.

For the committee,

FRANKLIN F. PHILLIPS, *Chairman.*

WILLIAM P. MITCHELL, *Clerk.*

SEWERS BUILT IN 1894.

STREET.	FROM.	TO.	LENGTH IN FEET.	TOTAL COST.	ASSESS- MENT.	COST TO CITY.
Central street and Westwood road	Berkeley street Central street	Westwood road Benton avenue	628.5	\$1,364.28	\$ 853.05	\$ 511.23
Cross Street place	Cross street	Westerly	122.8	45.69	45.24	.45
Congress place	Linwood street	Southwesterly	115.6	66.71	—	66.71
Elmwood street	East of Fountain ave.	On private land	—	147.06	—	147.06
Glen street	330 feet East Elm st., private lands from Hall av., in Francesca av., east'ly & west'ly from private lands, and in Kidder avenue east'ly & west'ly from 313 feet northeast	Northeasterly	153.1	108.52	23.98	84.54
Hall avenue and private lands and Francesca and Kidder aves		Near Liberty ave. Kidder ave. Private lands	1,898.6	4,463.89	3,020.11	1,443.78
Jenny Lind ave.	From Medford st.	Near Broadway	257.8	312.31	306.87	5.44
Laurel place	Laurel street	Westerly	186.	311.98	58.93	253.05
Leland street	Washington st.	Northeasterly	262.8	219.12	218.39	.73
Melvin street	273 feet from Broadway	Southwesterly	73.4	57.74	56.38	1.36
Mystic avenue	Austin street	No. Union street	unfinished	28.00	—	28.00
North Union st. extension	Mystic river	No. Union street	"	291.74	—	291.74
North Union st.	65 feet southerly from Mousal pl.	Southwesterly	192.9	301.72	298.07	3.65
Pearl Street pl.	Pearl Street	Northeasterly	170.5	122.34	121.78	.56
Pitman street	Spring Street	Northwesterly	unfinished	64.25	—	64.25
Private lands and Talbot avenue	Broadway and in Talbot av. e'st'ly 50 ft. southeast'ly from Highland avenue, and in Highland ave.	Talbot avenue College avenue	1,800.4	1,920.89	1,917.56	3.33
Putnam street and Highland ave.		Highland avenue Westerly	232.9	314.24	148.99	165.25
Snow terrace	Jaques street	Southwesterly	125.2	191.09	14.42	176.67
Summer street	Cedar street	Southeasterly	257.5	262.28	252.26	10.02
Summer street	Willow avenue	Easterly	799.3	915.58	907.81	7.77
Talbot and Packard aves. and Sawyer ave.	Private lands and in Packard ave. and Sawyer ave.	Packard avenue Westerly	1,788.6	3,609.42	3,608.90	.52
Sycamore street	Medford street	Southwesterly	220.4	140.16	136.64	3.52
Wheeler street	Pinckney street	Southeasterly	202.1	203.27	123.23	80.04
Willow avenue	Morrison street	Southerly	—	140.36	—	140.36
			9,488.4	\$15,602.64	\$12,112.61	\$3,490.03
Less paid on Hall Avenue sewer in 1890						29.74
						\$3,460.29

REPORT
OF THE
CITY ENGINEER.

CITY OF SOMERVILLE.

IN BOARD OF ALDERMEN, April 10, 1895.

Referred to Committee on Printing, to be printed in the Annual Reports.
Sent down for concurrence.

GEORGE I. VINCENT, *Clerk.*

IN COMMON COUNCIL, April 11, 1895.

Concurred in.

CHARLES S. ROBERTSON, *Clerk.*

CITY OF SOMERVILLE.

OFFICE OF CITY ENGINEER, }
SOMERVILLE, April 8, 1895. }

TO HIS HONOR, THE MAYOR, AND THE CITY COUNCIL:—

In compliance with City Ordinance, Chapter 9, Section 9, the following report of the City Engineer for the year ending December 31, 1894, is respectfully submitted:—

ENGINEERING DEPARTMENT.

The number of persons permanently employed during the year has been nine.

The expenses of the department have been as follows:

Salary of City Engineer	\$2,400.00
Salary of assistants	6,595.68
Supplies	99.85
Car fares	119.21
Tapes, plumbs, tools and spikes	67.26
Repairs and adjustment of instruments and tools	25.70
Stakes	28.50
	<hr/>
	\$9,336.20

The items of expenditures of salaries of assistants are as follows:

Giving lines and grades for edgestone and brick sidewalks, examining titles of abutters, and computing assessments and cost	\$808.99
<i>Amount carried forward</i>	<hr/> \$808.99

(28)

<i>Amount brought forward</i>	\$ 808.99
Giving lines and grades for defining street lines, for grading and macadamizing streets, revising acceptance plans, and examining titles of abutters	769.35
Making surveys and giving lines and grades for public sewers, examining titles of abutters, computing assessments and making assessment plans, locating and recording private drains, giving lines and grades for building catch-basins, and rebuilding old sewers	1,629.04
Giving lines and grades for laying water-pipe, making surveys and plans, locating and recording locations of mains, services, affixing house numbers to service applications	400.61
City survey	552.45
Grade and lines, and clerical work for department of public grounds	292.72
Surveys and plans, grades, lines Nathan Tufts Park	555.60
Preparing plans for numbering streets and affixing street numbers to houses	375.60
Indexing note-books and plans and keeping office records	200.22
Copying plans at Middlesex Registry of Deeds and work done for the assessors' department	57.95
City map	84.10
Surveys, lines and grades for street railroads	249.94
Surveys and lines for Somerville Electric Light Co.	27.92
Miscellaneous, including sketches and plans for police and law departments used in accident cases, surveys and estimates for public property department, lines and grades for public buildings	591.19
	<hr/>
	\$6,595.68

CITY SURVEY.

The appropriation made for the City Survey in 1894 was included in that made for salaries of engineers' assistants, but the amount of work which the engineers' department was called upon to perform was

so large that the entire amount appropriated was needed for the regular office work.

It is important that some progress should be made in this work of making a systematic survey of the city during the coming year, because of the demands that will inevitably be made within a short time for sewers and water, for the laying out of new streets, and the Metropolitan Park boulevards.

The larger part of the city west of Cedar street, equal to about one third of the entire area of the city, has not been surveyed, neither has any sewerage system been designed, nor are there any materials, notes, plans or surveys on file in this office from which a sewerage system or water distribution can be designed.

The whole district above referred to should be accurately and carefully surveyed, and the notes plotted on sectional plans of small size to be conveniently filed, and from these plans a study can be made for sewers and water mains.

This work should be undertaken at once, that sufficient time may be given the engineers' department to prepare this work before it is needed. If it is delayed until it is actually needed, the work must be done in a hurry, and the results will not only be unsatisfactory because of the haste in which the work is done, but delays must necessarily occur in complying with requests of the Board of Aldermen for estimates and plans, because of the time required to do the work. Accurate plans of the part of the city above referred to would be of great value to the assessors' department in locating property and recording transfers, and it is undoubtedly true that the value of such a set of plans would be worth to this department alone more than the cost of the work.

It is probable that the public will soon demand that all wires required for electric lighting, telephone, telegraph and fire-alarm uses be placed in underground conduits. When this work is decided upon it will first be necessary to know the location of all underground construction, whether used for sewer, water or gas purposes, and accurate plans will then be needed on which these locations can be recorded.

When this department is called upon for information, it is expected that it will be furnished at once and without delay, but it will be impossible to do such work within any reasonable time unless the work of the office can be kept in advance of the needs of the city or the requirements of the City Council.

On page 446 it will be noticed that \$552.45 has been expended on the city survey during the past year. The work done has been made necessary by the construction of sewers and the making of assessment plans, and the areas surveyed have been in isolated districts. The cost of making small surveys of this kind is excessive in first cost, and must be further increased by the work necessary to correct errors that will be found when a systematic survey of the city is made.

The attention of the City Council is directed to the reports of the City Engineer for the years 1891, 1892, 1893, 1894, in which the need of making such a survey as is recommended, and the request heretofore made that an appropriation of \$500 be made for extending the city survey is repeated.

STREET MONUMENTS.

The correct location of the line of every estate, and especially of lines separating adjacent estates, must be referred to the street line of the street on which it is located and also to the nearest intersecting street, for in this way the exact location of any such line can be determined by measurement from these street lines; hence, that there may be no doubt as to the location of these lines, and consequently of all estate lines, it is important that the street lines should be marked or designated by some method by which they can be readily found by any one, and at the same time the method adopted must be such that they will be preserved in the same location forever.

The method usually adopted is the placing at the intersection of the side lines of intersecting streets, or at the angles or at the ends of curves in the street, stone monuments or posts made of sufficient depth that when placed in the ground they will not be moved by the action of the severest frosts, and marked or cut by a drill hole in the top at the intersection of the two lines it is proposed to define the location of.

When such monuments are properly placed, and their locations definitely recorded, there is furnished a visible and exact location and determination of the line of the street; and the engineer who is called upon to lay out a house lot, to survey an estate, or the City Engineer who is ordered to lay out a sewer, or define a street line, either for edgestone, street railway tracks, electric light poles, the laying of water pipes, or the various other uses for which the public use

the streets, has no difficulty in determining a street line or doing his work with the least possible difficulty and delay, and the least possible chance of error.

The City of Somerville has never made a systematic effort to place stone monuments to define its street lines.

In 1860 a survey of the town (known as the Richardson survey) was made, and at that time many stone monuments were set, on the centre lines of the streets ; but excavations since made for sewer construction have caused the removal of many of them. There is no record of the number of monuments set in 1860, but at the present time about one hundred and seventeen monuments can be found that were set in 1860, about one hundred were set in 1877, and thirty-five in 1884. Since 1884 no monuments have been set, and there are to-day but about two hundred and fifty monuments on fifty-two miles of public streets ; that is, only one monument exists for every eleven hundred feet of street.

Instead of being referred to permanent marks, street lines are now fixed by measurements from buildings recorded in note-books or on plans, or by spikes driven in the earth at intersections of street lines.

The notes are capable of different interpretation by different engineers, and a great deal of time is lost in endeavoring to establish street lines from these notes, or in replacing spikes that may have been disturbed by the slightest movement of the ground. Many times during the past year, the office has been called upon to adjust street lines that other engineers have been unable to run from the imperfect notes that now define street lines.

It will benefit the land owner, make the lines of estates more permanent, and greatly relieve the office force of a constant repetition of work in continually replacing points defining street lines that cannot be permanently defined unless stone monuments are set as recommended. It will also place the city in line with what is being done to-day in nearly every large town or city.

The attention of the City Council is referred to the annual reports of the City Engineer for the years 1892, 1893, for further information on this subject, and the recommendation heretofore made, that an appropriation of \$500 be made for this purpose is repeated.

CITY MAP.

The work on the city map has been pushed during the winter, but progress is necessarily slow because of the lack of any method of checking the work already done on local surveys.

Several traverses have been compiled, but errors were found that have taken a great deal of time to eliminate. In connection with this work it has been found that a new survey of the city, as heretofore referred to, would be of the greatest value in correcting and completing the city map.

CITY ENGINEER'S OFFICE.

The room assigned the City Engineer and the tables and cases for filing plans and doing the work of the office, are entirely too small and limited to accomplish the work to be done. It is impossible to accomplish half the results desired with the limited space assigned the City Engineer at the City Hall.

The vault for storing note-books and plans is entirely too small, and if the building were destroyed by fire it is certain that every note-book and plan, the accumulation from surveys and calculations made during the last twenty-five years would be entirely destroyed, as well as the records of surveys of at least two thirds the area of the city; plans showing the location and depths of sewers, and the locations of house drains for about sixty miles of sewers; the plans of fifty miles of public streets; and plans of estates made during the last twenty-five years.

What the expense of replacing the records and plans contained in this vault would be, no one can determine; but it is certain to replace these records would require a resurvey of the city, including street lines, property lines and buildings, the re-establishing of every street line in the city, that new plans be made of all the sewers in the city; an expense undoubtedly equal to the cost of a new City Hall.

I would therefore recommend that new rooms be provided for the City Engineer's department, that a thoroughly fireproof room of ample dimensions be built before these valuable records are destroyed.

PLANS AT MIDDLESEX REGISTRY OF DEEDS.

Tracings have been made of all plans of real estate in Somerville recorded at the registry of deeds during the year 1894, and an index

has been made showing the street, owner's name and surveyor's name, date and record of these plans have been compiled.

Profiles have been made for establishing the grade of seven and one-half miles of street, and two and seven-tenths miles of sewers.

Grades have been given for two and one-tenth miles of edgestone, and measurement made and assessments computed for the same length of edgestone, and ten thousand three hundred and ninety-nine square yards of brick sidewalk. Grades and lines have been given for ninety-six estates.

Assessment plans have been made for ten thousand three hundred and five lineal feet of sewers. Three hundred and seventy water services have been located, and the location recorded. The numbers on houses have been compared with the plans, corrections made, and all houses completed May 1, 1894, were numbered. In Appendix G will be found an ordinance regulating the City Engineer's Department.

SEWER DEPARTMENT.

Assessments have been levied for ten thousand three hundred and five and two-tenths feet, or one and ninety-five one-hundredths miles of public sewers, at a cost of \$15,759.34; of this amount \$12,799.05 was assessed on abutters, and \$2,960.29 has been assumed by the city, and paid from Funded Debt account. In addition to this amount one thousand three hundred and ninety-two and four-tenths lineal feet of sewer were contracted for in 1894, but have not been completed December 31, 1894.

PRIVATE DRAINS.

Four hundred and forty-six permits for laying house drains, and thirty-nine for repairs of drains were issued during the year. These drains have all been located, the locations referred to the street lines and side lines of the house, properly recorded in note-books, plotted on the assessment plans and indexed.

The cost of inspection of house drains was \$453.10.

CATCH-BASINS.

Fifty-two catch-basins were built during the year at a cost of \$3,822.71; three have been rebuilt at a cost of \$119.29. The number of catch-basins in use January 1, 1895, was eight hundred and two.

Twenty-one catch-basins have been repaired at a cost of \$179.11 ; an average cost of \$8.53.

The cost of changing the grade and line of eighteen catch-basins was \$159.51, an average cost of \$8.86.

Nine hundred fifty-seven catch-basins have been cleaned ; one thousand seven hundred eighty-one loads, or two thousand fifty-four cubic yards of material were removed and disposed of at a cost of \$1,754.86, an average cost of \$1.83 per basin, \$0.99 per load, and \$0.84 per cubic yard.

The cost of removing snow, ice and street dirt from catch-basin openings was \$198.88. Eleven miles of pipe sewers were flushed at a cost of \$439.63 ; an average cost per mile of \$40, or \$7.60 per thousand feet. One and one-third miles of brick sewers were cleaned at a cost of \$280.12 ; an average cost per mile of \$210.62, or \$51.34 per thousand feet.

The cost of cleaning out-fall ditches at Winthrop avenue, Austin, North Union and Waverly street was \$314.26.

MANHOLES.

The cost of changing the grade and line of sixty-six manholes was \$221.52, an average cost of \$3.36.

The cost of cleaning one hundred and seven manhole dirt-catchers was \$148.44, an average cost of \$1.13.

BRIDGE STREET OUTLET.

The cost of dredging was	\$4,323.67
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The items of cost are as follows : —

Three thousand eight hundred and forty-one cubic yards of material dredged at \$0.64	\$2,458.24
Removal of shoal at end Bridge street pipes	1,650.00
Labor, advertising, teaming, water and clothing	215.43
	<hr/> \$4,323.67

Five-ninths of this amount, \$2,402.03, was paid by the City of Somerville, the balance by the City of Cambridge. The item of

\$1,650 was the cost of removing material from the outlet end of the iron pipe out-fall near the channel.

EXTENSION OF THE WINTHROP AVENUE SEWER.

The attention of the City Council has been regularly called, every year since 1888, to the existing condition of the out-fall ditch at the end of the Winthrop Avenue Sewer; it is certain that action by the City Council can no longer be delayed, and that this sewer must be extended to the Mystic River.

The attention of the City Council is hereby called to the several reports of the City Engineer since the year 1888, for further information with regard to the evils existing, and suggestions made to remedy them.

INTERCEPTING SEWER IN THE LOCATION OF THE BOSTON & LOWELL RAILROAD.

In the area bounded by Cross and Medford streets, Highland avenue, Willow avenue and Broadway, the existing sewers are very much too small to properly dispose of the areas they drain, so much so that during heavy rain storms these sewers are surcharged to such an extent that the storm water is forced through the house drains into cellars, and frequently streets are flooded and water is forced through the manhole covers. In a large part of this area no sewers have been constructed, and large tracts of land remain unoccupied because there is no outlet for the drainage of these areas.

In still other parts of this area sewers have been built on the separate system, without any provision for disposing of storm water, and the result is that street surfaces are washed out by every heavy rain, and cellars and private lands are flooded by storm water that should be disposed of by sewers.

The demand for relief from these evils is growing more urgent every year, and it is time that at least a system of disposal of house and surface drainage should be adopted. The outlet for this sewer must be located at some point on the Mystic River near the Middlesex Avenue Bridge, and when the Winthrop Avenue Sewer is extended, a common outlet should be provided for both sewers.

The attention of the City Council is respectfully directed to pre-

vious reports of the City Engineer, and the statements there presented and recommendations made are repeated.

TANNERY BROOK DISTRICT.

The area bounded by Holland street, Boston & Maine Railroad (Arlington and Lexington branch), Cambridge city line, Alewife Brook and Broadway has a considerable population, but has no system of sewerage, except a small area drained by the Holland, Elmwood and Mead Street sewers, and except in the area last mentioned, the sewerage from a population of about six hundred people is collected either in cesspools or is disposed of by a private sewer emptying into Tannery Brook. This private sewer was originally a part of the Tannery Brook, and since houses have been erected has been made a covered channel and used as a sewer. Surveys and plans have been made for a main sewer, which it is proposed to lay through the valley of this brook and connect with Metropolitan Sewer.

CONNECTIONS WITH THE METROPOLITAN SEWER.

The Metropolitan Sewer is so far completed that it will be necessary to make the several connections with the Metropolitan Sewer during the coming season.

Six connections will be made, as follows :

At Somerville avenue and Poplar streets with the Somerville Avenue Sewer ; the drainage area of this sewer is bounded by East Cambridge city line, Linwood and Medford streets, Highland avenue, Central street, Medford street, Broadway, Cedar street, Morrison avenue and Morrison street, Elm street, Broadway, Holland street, Meacham street and the Cambridge city line.

Included within the area drained at this connection is a part of Cambridge draining into the sewer in Webster avenue, the establishment owned by the North Packing Company, John P. Squire Company, and the New England Dressed Meat and Wool Company, and is the largest and most expensive of all the connections.

Second — At Washington and Waverly streets. The drainage area of this sewer is bounded by the Boston city line, Crescent, Pearl and Cross streets, the Boston & Maine Railroad (Southern Division), and Washington street.

These two connections will be made with the Cambridge branch of the Metropolitan Sewer.

Third — At North Union street. The drainage area of this sewer is bounded by the Boston city line, Mystic avenue, Union, Benedict and Austin streets.

Fourth — At Mystic and Winthrop avenues. The drainage area of this sewer is bounded by Mystic avenue, Austin, Benedict and Union streets, Broadway, Boston city line, Mt. Pleasant, Pearl and Cross streets, Boston & Maine Railroad (Southern Division), Central, Medford and Adams streets, Broadway, Main, Heath, Jaques and Temple streets, and Mystic avenue.

Fifth — At Mystic avenue, at or near Moreland street, extended. The area to be drained by the sewer at this connection is bounded by Mystic avenue, Temple, Jaques, Heath and Main streets, and the Medford City line, and includes a small area in Medford.

The three sewers last mentioned connect with the Somerville branch of the Metropolitan Sewer.

Sixth — At the junction of Alewife and Tannery brooks. The area to be drained by the sewer at this connection has already been described in the description of the proposed sewer in the Tannery Brook District. The last-mentioned sewer will connect with the Alewife Brook branch of the Metropolitan Sewer.

TABLE.

In appendix A will be found a table showing the location, items of cost, cost per lineal foot, amount of assessments made, and the cost to the city of sewers built in 1894.

In appendix H will be found an ordinance relating to the sewer department.

HIGHWAY DEPARTMENT.

The work of the Highway Department has been done under the direction of Mr. Thomas H. Eames, the Superintendent; the City Engineer is only required to give lines and grades, make measurements of work done, and compute the assessments for sidewalk improvements.

The following information has been compiled from the records of this office, information obtained from the Superintendent, and from the annual report of the Committee on Highways.

The items of expenditure are as follows :

CREDIT.

The appropriation for highways for 1894 was	\$60,000.00
Collections for work of former years	
Net income, city dwellings.	
Health Department account.	
Building at gravel bank.	
Money approved in pay-roll not called for and decrease in value of tools, property and materials . . .	2,143.13
	<hr/>
	\$62,143.13

DEBIT.

Laying out streets and advertising notices of hearings .	\$ 173.00
Construction of new streets	4,731.65
Street crossings	1,021.65
Street signs in place	185.85
Repairs and improvement of streets in connection with setting edgestone	5,928.40
Ordinary repairs of streets	8,557.25
General repairs of streets	10,201.27
Cleaning streets	6,525.95
Planting and trimming trees	532.20
Labor, laying brick and edgestone for single estates .	2,110.38
Repairs of brick sidewalks	3,138.75
Salary of drawtender and repairs, Middlesex Avenue Bridge	462.51
Removing snow and ice from streets and sidewalks .	3,814.38
Sewer Assessment, Glen street	15.88
Books, stationery and printing	70.00
Setting stone bounds	39.00
Building at crusher	269.63
Laying out triangular lot, Broadway and Holland street	115.46
Repairs, Boston Avenue Bridge	190.37
Insurance and grading at city stable	1,212.95
Opening new streets	44.16
	<hr/>
<i>Amount carried forward</i>	\$49,340.69

<i>Amount brought forward</i>	.	.	.	.	.	\$49,340.69
Superintendent's salary	.	.	.	.	.	1,600.00
Board of horses	.	.	.	.	.	417.17
Superintendent's telephone	.	.	.	.	.	2.95
Cleaning Cross and Pearl streets, after the rebuilding of						
West End Street Railway tracks	.	.	.	.	.	1,643.35
Private work not paid for in 1894	.	.	.	.	.	457.05
Sundry expenses	.	.	.	.	.	125.19
Net loss on tools, property and materials	.	.	.	.	.	8,065.54
						<hr/>
Total cost of work done	.	.	.	.	.	\$61,651.94
Balance unexpended	.	.	.	.	.	491.19
						<hr/>
						\$62,143.13

EDGESTONE AND BRICK SIDEWALK.

The appropriation for sidewalks was	.	.	.	.	.	\$10,000.00
Thirty-three sidewalks laid in 1894 (see Appendix B)						\$19,811.22
Abatements	.	.	.	.	.	31.67
Books	.	.	.	.	.	26.00
						<hr/>
						\$19,868.89
Less assessments and receipts	.	.	.	.	.	9,905.65
						<hr/>
Cost to City	.	.	.	.	.	\$9,963.24
Balance unexpended	.	.	.	.	.	36.76
						<hr/>
						\$10,000.00

The work done is itemized as follows : —

Sixteen thousand one hundred nineteen and three-tenths lineal feet of edgestone. Twelve thousand four hundred forty-one and four-tenths square yards of brick sidewalk.

REPAIRS OF STREETS.

The repairs made on the main streets were as follows : —

Elm street from Willow avenue to Cedar street, Medford street from Somerville avenue to the Fitchburg Railroad, School street,

Berkeley street to Somerville avenue, Washington street, Fitchburg Railroad to Beacon street.

REPAIRS AND IMPROVEMENT OF STREETS IN CONNECTION WITH SETTING EDGESTONE.

Edgestones were set on twenty-four streets. The cost of street repairs per lineal foot of edgestone set, including the cost of paving gutters with cobble stones, was \$0.51 per lineal foot. The cost of paved gutters per lineal foot of edgestone was \$0.34 ; per square yard was \$1.07.

CONSTRUCTION OF STREETS.

The average cost per square yard of street macadamized in 1894 was \$0.27 (see Appendix C).

TOTAL EDGESTONE AND BRICK SIDEWALK.

December 31, 1894, there were in Somerville three hundred ten thousand eight hundred thirty-eight lineal feet, or fifty-nine miles of edgestone and two hundred seven thousand and ninety lineal feet or thirty-nine and two-tenths miles of brick sidewalk.

TABLES.

In Appendix B will be found a table showing the location and cost of edgestones, brick sidewalks and paved gutters, and of repairs on roadway in streets where edgestones were laid.

In Appendix C will be found a table showing the location and cost of street improvements made during the year.

In Appendix D will be found a table showing the length and width of streets accepted in 1894.

In Appendix F will be found a table showing the location and length of public and private streets.

STREET NUMBERING.

Street numbers on all houses in the city have been compared with the numbering plans, and all houses without numbers have been numbered according to plans and at the city's expense.

PUBLIC GROUNDS.

NATHAN TUFTS PARK.

Work on the completion of the Nathan Tufts Park was begun March 13th, and completed November 5th. The work done during the year comprised the completion of the parapet wall protecting the top of the ledge, the planting of trees and shrubs, crushing stone for the roads and walks, grading in the vicinity of the Powder House and at the foot of the ledge, the construction of roads and walks, paving gutters and seeding the areas not planted.

The planting was made from a design by James H. Bowditch, of Boston, forester, and the trees and shrubs were furnished by him.

The stone for the roads was collected from excavations within the park limits, and was broken in sizes convenient for crushing.

The stone was broken on the park by a crusher erected by Arthur J. Wellington, Manager Gates Iron Works Company, of Boston.

All other work was done by the City, by day labor.

The plans of laying out and constructing roads, and all landscape work, except the planting previously mentioned, were made by the City Engineer.

As the park is practically completed, it may not be out of place to allude to its natural beauties, and that there may be no possible chances for criticism of motives, the following quotations from an editorial in the Boston Herald, October 14, 1894, is made :—

“ A new pleasure ground of exceptional importance for an area of only a few acres, is the Nathan Tufts Park in Somerville, the improvement of which has just been completed. This importance is given by the historic associations, and the picturesque character of the central feature of the place, * * * the ancient powder tower that constitutes the most precious historic possession of Somerville. * * * * The city has the appreciative good sense to give it a setting worthy of its character and quite in keeping with it. The improvement of the place for park purposes has been in hand for something less than two years. * * * * The picturesqueness of the fine old tower, impressive in the stateliness of its admirable proportions, naturally calls for correspondingly picturesque surroundings. The piece of hilly ground, at whose summit the tower stands, contained the little that was picturesque in itself when

taken in hand, having been a rather bare and bleak piece of old pasture. To give convenient access to the place, a fine drive has been carried up the hill by easy curves and gradients, making a circuit of the park. Pleasant walks have also been provided with stone steps, where slopes are steep. * * * * To make room for the drive, the rocky hillside has been blasted away, forming a steep cliff of rock that makes a most appropriate base for the old tower, when seen from the street. This ledge is capped by a parapet of rough work. * * * *

A chief value of the park lies in the opportunity for breathing the fresh air from a hill-top, with very pleasant immediate surroundings."

The amount expended on construction each year, and the cost of land are given below.

Expended in 1892	\$ 2,196.40
Expended in 1893	13,466.33
Expended in 1894	17,655.28
Total cost of construction	<u>\$33,318.01</u>
Amount paid for land	19,424.55
Total cost of the park	<u>\$52,742.56</u>

SOMERVILLE AVENUE CEMETERY.

The report of the City Engineer for 1893 contained some suggestions as to the need of further control of burials, and the need of making a record of locations of interments, the propriety of allowing burials to be made in a closely populated district, and some method of ensuring the care of all the lots. As no action has been taken, I respectfully renew the suggestions embodied in the report of 1893.

The items of expenditure on Public Grounds are as follows : —

CITY HALL AND LIBRARY GROUNDS.

Labor, care of walks and grass	\$130.48
Repairing driveways	5.00
Plants	19.65
Tree guards	18.00
	<u>\$173.13</u>

HIGH SCHOOL GROUNDS.

Labor, care of walks and grass . . .	\$90.23	
Repairing driveways	5.63	
	<hr/>	\$95.86

CENTRAL HILL.

Labor, care of walks and grass . . .	\$534.11	
Horse hire	10.75	
Removing snow and ice from walks . .	322.27	
Seed and dressing	168.54	
Sod and labor	47.78	
Repairing and painting seats	37.99	
Repairing and painting fences	59.74	
Repairing and painting steps, Medford street entrance	43.42	
Repairing catch-basins	2.41	
Tools, property, oil and repairs . . .	40.55	
Plants	38.17	
	<hr/>	\$1,305.73

BROADWAY PARK.

Labor, care of walks and grass . . .	\$977.26	
Horse hire	41.25	
Labor, care of ice for skating	18.25	
Police service	301.50	
Raising and lowering flagstaff . . .	20.00	
Repairing and painting flagstaff . . .	17.71	
Loam, grass seed and dressing	17.45	
Plants	89.15	
New seats	63.00	
Tools, property, oil, repairs and sundries	61.23	
	<hr/>	\$1,606.80

BROADWAY PARKWAY.

Labor, care of grass	\$187.75	
Horse hire	6.50	
Reseeding railway location	69.38	
Loam, seed and dressing	29.08	
Repairing fence	38.50	
Trees and labor of planting	55.00	
Three water services	54.70	
Use of water	15.00	
	<hr/>	\$455.91

SOMERVILLE AVENUE CEMETERY.

Care of walks and grass . . .	\$211.89	
Plants	3.53	
Loam, sod and dressing . . .	15.72	
Tools and sundries	4.17	
Water service	16.60	
Use of water	5.00	
	<hr/>	\$256.91

NATHAN TUFTS PARK.

Labor, care of grass and walks . .	\$580.82	
Repairs of roof of Powder House .	23.36	
Flagstaff, halliards, ball, etc. . .	42.75	
Fences	32.68	
Signs	2.00	
Tools, property and repairs . .	91.19	
Water service	9.80	
Use of water	15.00	
Expressing	2.00	
	<hr/>	\$799.60
Total		<hr/> \$4,705.94

BRIDGES.

Bridges over the Boston & Maine Railroad, Southern Division.

Washington, Cross, Central and Cedar Street, and Broadway bridges are all iron bridges of modern construction, and are in excellent condition.

WALNUT STREET BRIDGE.

Has been removed, and an iron bridge is under construction.

SCHOOL STREET BRIDGE.

The abutments appear to be in the same condition as in 1893 ; the southerly abutment is somewhat out of line at the base, but appears to be safe. The easterly sidewalk approaches, supported on posts, need some repairs.

SYCAMORE STREET BRIDGE.

The approaches and bridge are in good condition. The surface drainage should be diverted into the railroad ditches, and not be allowed to run through the abutments.

Bridges over the Fitchburg Railroad.

PROSPECT STREET BRIDGE.

The bridge and approaches are in good condition, the northerly abutment should be rebuilt at once.

WASHINGTON STREET BRIDGE.

The bridge is in good condition, except that the iron work needs painting.

BEACON STREET BRIDGE.

Is in same condition as in 1893.

Miscellaneous Bridges.

BROADWAY BRIDGE OVER ALEWIFE BROOK.

The retaining walls need pointing. The surface drainage should be collected in catch-basins; at present it runs over and through the retaining wall and the arch, and may cause damage to the masonry.

BOSTON AVENUE BRIDGE.

The surface drainage should be collected and disposed of by catch-basins. The southerly abutment is in an unsatisfactory condition; the ends of the floor stringers, where they rest on the masonry, are considerably decayed and must soon be replaced. When it becomes necessary to replace the stringers, the southerly abutment should be moved northerly to the location of the southerly pier, and an iron bridge built to replace the present one.

MIDDLESEX AVENUE BRIDGE.

This bridge was built about twenty-five years ago, and was probably sufficiently strong for the purpose for which it was designed. The

condition of the bridge is such that it will probably be necessary that very extensive repairs be made during the coming year, and should an electric street railway be built through Middlesex avenue, it will probably be necessary that the bridge and draw be rebuilt.

The planking on the sidewalk and the easterly draw pier should be relaid, the faces of the channel way be replanked, and the fences be repaired if it should be decided not to rebuild the coming season.

WATER WORKS.

Lines and grades have been given when called for ; all mains, gates, hydrants and services have been located, and the locations recorded in the usual manner.

The diameters of mains relaid are considerably larger than those heretofore used. The benefit of these changes is noticed in the increased pressure in different parts of the city.

HORACE L. EATON,
City Engineer.

APPENDIX A.
TABULAR STATEMENT OF SEWERS BUILT IN 1894.

LOCATION.				ITEMS OF COST.												COST AND ASSESSMENT.							
NAME OF STREET.	FROM.	TO.	CONTRACTOR.	Size in inches.	Length in feet.	Material excavated.	Average cut.	Cubic yards rock excavation.	Manholes.	Chimneys.	Inlets.	PIPE SEWER. Cost per lineal foot.							Average cost per lineal foot.	Total Cost.	Assessment.	Cost to City.	
												Earth.	Rock.		Manholes and Chimneys.	Pipe.	Inspection.	Miscellaneous.					
													Labor.	Lineal ft. of excavation.									Price per cubic yard.
Central and Westwood road	Berkeley street	Avon street	Charles A. Mongan	10	217.5	Hard-pan	8.1	56.7	1	..	11	.48	245	3.50	45.00	.21	.05	(A) .01	\$2.47	\$ 1,364.28	\$ 853.05	\$ 511.23	
	Central street	Near Benton avenue		8	411.0		8.3	184.0	2	..	27	.60	350			.14							
City Farm lands	Berwick street	Northeasterly 468 feet.	Timothy F. Crimmings	10	405.4	Hard-pan.	..	..	1	..	..	..	73		52.00	.18	..	..	1.14	659.21	659.21	....
	A point 406 feet northeast from Berwick street	Westerly	and Dennis C. Collins	8	113.4	Hard-pan.	..	13.5	..	..	..	..	65	4.00		.13	..	..			
Congress place	Limwood street	Southwesterly	Willard B. Bryne	8	115.0	Hard-pan.	6.0	....	..	1	5	.35	....	....	5.00	.15	.02	(A) .02	.68	96.71	....	96.71
Cross Street place	Cross street	Westerly	Charles A. Mongan	6	122.8	Hard-pan.	3.2	....	..	1	6	.23	....	....	1.00	.10	.02	..	.37	45.69	45.24	.45
Glen	Fountain avenue	Near Oliver street	Willard B. Bryne	8	183.1	Hard-pan.	5.3	....	1	..	10	.35	....	....	30.00	.14	.02	..	.71	108.62	23.98	84.64
Hall avenue and Private lands	A point 330 feet east from Elm street	Private lands	Timothy F. Crimmings	12	344.5	Hard-pan.	8.9	72.6	1	..	22	.90	140	3.65	48.00	.26	..	..	2.71	2,140.87	1,184.82	1,443.78
	Private lands	Near Liberty avenue	and	10	212.1	Hard-pan.	7.8	97.1	..	..	12	.75	145	3.05	48.00	.20	.12	..	..	..	..
	Hall avenue	Francesca avenue	Dennis C. Collins	12	234.0	Sand.	9.0	105.0	..	..	6	.80	200	3.65	....	..	..	(A) .07	..	..	..
	Private lands	Liberty avenue	Richard Falvey	12	275.0	Sand.	9.5	24.2	1	..	18	.60	25	3.50	44.50	.27	.11	..	1.72	825.58	962.84		
	Private lands	Northwesterly		10	206.3	Sand.	8.5	22.1	1	..	18	.60	80	3.50	47.00	.21	..	(B) .04	2.39	1,497.46	872.45		
Kidder avenue and Private lands	Private lands	Northwesterly		10	214.7	Sand.	8.2	114.2	1	..	18	.50	235	3.50	47.00	.21	..	..	..	..	..
	Private lands	Near Liberty avenue	Maurice Buttmer	8	183.4	Sand.	8.1	67.7	1	..	12	.45	163	3.50	47.00	.14	.00	..	..	..	..
	Francesca avenue	Kidder avenue		12	228.0		9.1	40.2	1	..	6	.52	110	3.50	75.49	.25	..	..	..	..	..
Jenny Lind avenue	A point 313 feet northeast from Medford street	Near Broadway	Charles A. Mongan	8	257.8	Hard-pan.	8.7	2.5	2	..	19	.60	Bould'rs	4.50	48.00	.15	.06	..	1.21	312.31	287.60	24.81	
Laurel avenue	Laurel street	Westerly	Maurice Buttmer	8	156.0	Hard-pan.	6.0	30.0	..	1	8	.60	170	3.50	5.00	.15	.28	(B) .05	1.88	311.98	53.93	253.05	
Leland	Washington street	Northeasterly	Charles A. Mongan	8	202.8	Sand.	8.6	....	1	..	16	.43	....	....	35.00	.14	.09	(C) .04	.83	219.62	218.59	.73
Melvin	A point 273 feet southwest from Broadway	Southwesterly	Maurice Buttmer	8	73.4	Hard-pan.	8.8	....	..	..	4	.55	....	....	....	.16	.04	..	.79	57.74	56.38	1.36
North Union	A point 65 feet south from Mousal place	Southwesterly	Charles A. Mongan	10	192.0	Hard-pan.	9.0	4.8	1	..	14	.65	Bould'rs	4.00	65.00	.22	.13	(A) .06 (C) .06	1.56	304.72	175.77	125.95	
Passageway	Northeast of No. 65 Newbury street	Westerly	Crimmings & Collins	8	136.3	Hard-pan.	6.1	....	..	1	2	.31	....	....	7.00	.14	.06	..	.52	70.93	70.93	....
Pearl	Franklin street	Westerly	Charles A. Mongan	8	100.7	Hard-pan.	6.9	....	..	1	6	.50	....	....	3.00	.16	.13	(A) .06	.97	97.97	97.97	....
Pearl Street place	Pearl street	Northeasterly	Willard B. Bryne	8	170.5	Hard-pan.	6.7	1.7	..	1	7	.45	Bould'rs	5.00	5.00	.14	.03	(A) .01	.72	122.31	121.78	.56	
Private lands	Broadway (opp. Wallace street)	Northeasterly 130 feet.		10	918.2	Sand.	7.8	07.2	2	..	60	.35	8	3.25	35.00	.24	.02	(B) .01	1.26	1,193.03	1,017.56	3.33	
Talbot avenue	A point 930 feet from Broadway	Talbot avenue	Charles A. Mongan	8	519.0	Sand.	6.0	....	2	..	38	.55	....	....	42.00	.15	.04	..	..	..	..
	Private lands	College avenue		8	833.2	Hard-pan.	7.2	....	1	..	21	.55	....	....	42.00	.15	.04	(D) .13	.92	782.86	..	..
	Private lands	Packard avenue	Maurice Buttmer	6	1,143.7	Hard-pan.	8.5	259.8	5	..	81	.40	317	3.50	40.00	.10	.02	(A) .02	1.84	1,704.51	..	..
Packard ave. and Sawyer avenue	Talbot avenue	Sawyer avenue		6	32.0	Hard-pan.	10.0	22.0	2	..	..	.34	32	3.50	..	..	..	..	..	..	..
	Packard avenue	Near Curtis street	Richard Falvey	8	612.0	Hard-pan.	9.0	75.0	..	..	46	.81	613	3.50	44.50	.15	.03	(A) .04	2.68	1,844.01	3,608.90	.62
Pitman and Highland avenue	A point 50 feet southwest from Highland avenue	Highland avenue	Charles A. Mongan	10	86.9	Hard-pan.	9.3	....	..	..	2	.00	Bould'rs	4.00	45.00	.19	.06	(A) .05	1.35	314.24	148.99	165.25
	Pitman street	Northwesterly		10	146.0	Hard-pan.	10.0	....	2	..	6	..	..	..	..	..	..	..	..	..	..
Snow terrace	Jaques street	Southwesterly	Maurice Buttmer	8	125.2	Hard-pan.	6.0	32.3	..	1	8	.48	60	3.00	7.00	.16	.02	..	1.53	191.00	14.42	176.67	
Summer	Cedar street	Near Linden avenue	Charles A. Mongan	8	237.5	Hard-pan.	9.2	....	1	..	19	.50	....	....	45.00	.14	.11	(A) .05	1.02	263.28	252.26	10.02
Summer	Willow avenue	Banks street	Timothy F. Crimmings	12	245.8	Hard-pan.	9.6	....	1	..	18	.61	Bould'rs	4.00	47.00	.28	.06	(A) .00	1.15	915.58	907.81	7.77
	Banks street	Near Cherry street	and Dennis C. Collins	10	553.5	Hard-pan.	9.2	....	2	..	43	.57	..	..	..	.22	..	..	..	..	..
Sycamore	Medford street	Southwesterly	Hervey A. Hanscom	8	220.4	Hard-pan.	7.7	....	..	1	10	.39 1/2	Bould'rs	....	2.50	.15	.02	..	.04	140.16	138.64	3.52
Wheeler	Pinckney street	Near Mt. Vernon street	Charles A. Mongan	8	402.1	Hard-pan.	7.7	3.0	1	1	12	.60	70	4.00	38.00	.15	.03	(A) .03	1.01	203.27	123.23	80.04	
Total length and cost of new sewers built in 1894				10,305.2												\$15,769.34		\$12,799.05		\$2,460.29			
(A) Removing surplus material. (B) Test pits for location of rock. (C) Advertising. (D) Filling on line of sewer.																							

SEWERS CONTRACTED FOR IN 1894, AND UNCOMPLETED DECEMBER 31, 1894, FOR WHICH NO ASSESSMENTS HAVE BEEN MADE.

NAME OF STREET.	FROM.	TO.	CONTRACTOR.	Size in inches.	Approximate Length in feet.	Materials.	Payments to December 31, 1894.
North Union Street sewer extension	North Union street, northeasterly	Mystic river	Dennis F. O'Connell	18 and 20	375.0	Akron Iron Pipe	\$291.74
Pitman street	Spring street	Westerly	Timothy F. Crimmings and Dennis C. Collins	10	100.0	Akron pipe	41.25
Union Street and Mystic Avenue sewer extension	A point on Mystic avenue, near Austin street	North Union street	Maurice Buttmer	12	400.0	Akron pipe	28.00
							\$383.99
Total cost to the City of sewers built in 1894							\$3,344.28
Total length of sewers built by the city previous to January 1, 1894				297,713.5			
Total length of sewers built during the year 1894				10,305.2			
Total length of sewers built by the city January 1, 1895				308,018.7			
Total length of sewers built by private parties				25,502.1			
Total length of sewers built in the city January 1, 1895				333,520.8			

APPENDIX B.

Table showing the Location and Cost of Edgestone and Brick Sidewalks, of Paved Gutters and Roadway constructed in Streets where Edgestone was laid.

STREET.	SIDE.	FROM.	TO.	WIDTH OF SIDEWALK.	MATERIALS.			PAVED GUTTERS.		GRAVEL.		MACADAM.		
					Gravel and Edgestones. Lineal feet.	Bricks. Sq. Yards.	Cost.	Sq. Yards.	Cost.	Sq. Yards.	Cost.	Sq. Yards.	Cost.	
Beacon	Northeasterly	Concord avenue	Dickinson street	6.67	....	447.1	\$ 384.35	....	....	....	....	....	....
Beacon	Northeasterly	Kent street	Miller street	11.00	1,087.0	....	780.59	362	\$ 303.90	....	....	....	....
Beacon and Kent	Northeasterly	Easterly line Durell school lot	Kent street	11.00	128.3	..	176.68	....	....	....	....	....	....
Berkeley	Easterly	Beacon street	Northerly line Durell school lot	4.17	87.4	..	..	....	....	....	....	....	....
Billingham	Northerly	School street	Central street	6.67	....	917.2	1,926.55	....	....	....	....	....	....
Broadway	Northwesterly	Broadway	William street	6.67	592.6	392.0	921.26	197	225.95	....	....	1,311	\$260.40
Broadway	Southerly	Rush street	Near Cross street	15.00	143.3	195.0	364.62	48	57.70	....	....	....	....
Broadway	Southerly	Cross street	Near Arthur street	15.00	....	592.9	604.68	....	....	....	....	....	....
Central	Westerly	Highland avenue	Boston & Maine Railroad	9.00	522.2	455.0	947.43	174	134.20	....	....	1,111	448.60
Cherry	Easterly	Summer street	Highland avenue	6.67	504.7	399.1	757.79	168	140.00	....	....	....	....
Dickinson	Southeasterly	Beacon street	Springfield street	6.67	737.0	....	498.89	246	247.60	....	....	....	....
Elm	Southwesterly	Russell street	Davis square	10.00	237.0	889.7	972.38	79	52.80	....	....	....	....
Elm	Northwesterly	Summit street	Kenwood street	10.00	....	224.0	236.85	....	....	....	....	....	....
Essex	Both	Medford street	Richdale avenue	6.67	494.2	....	339.52	165	176.00	....	....	530	52.85
Flint	Northeasterly	Cross street	Aldrich street	6.67	....	504.7	515.35	....	....	....	....	....	....
Gibbens	Southerly	Central street	Benton avenue	6.67	....	333.7	336.85	....	....	....	....	....	....
Hathorn	Westerly	Broadway	Arlington street	6.67	327.8	....	256.69	109	80.10	....	....	....	....
Heath	Northeasterly	Temple street	Bond street	6.67	1,042.3	....	909.37	347	454.20	....	....	2,392	168.60
Highland avenue	Northerly	Central street	Westerly line Central Club Ass'n	10.00	92.1	75.0	170.05	31	36.20	....	....	666	279.80
Highland avenue	Southerly	Putnam street	Westerly line Est. Johnson heirs	10.00	....	117.0	138.25	....	....	....	....	....	....
Lake	Southerly	Hawkins street	South Church street	6.67	859.8	....	614.67	287	273.95	....	....	....	....
Medford	Southwesterly	Central street	Bartlett street	9.17	647.8	....	446.91	216	212.30	....	....	....	....
Medford	Southwesterly	School street	Lee street	8.33	....	592.0	628.35	....	....	....	....	....	....
Munroe	Northerly	Walnut street	Southeasterly line Wentworth Est.	10 to 6.67	377.9	290.5	569.54	126	104.95	....	....	862	241.70
Munroe	Southerly	Walnut street	Estate of Mary Jones	6.67	366.3	259.7	515.12	122	166.50	....	....	....	....
Preston	South and West	School street	Summer street	6.67	....	589.4	572.63	....	....	....	....	....	....
Porter	Both	Summer street	Highland avenue	6.67	1,674.3	....	1,532.14	558	610.20	2,121	\$378.70	....	....
Putnam	Westerly	Summer street	Highland avenue	8.33	....	947.1	1,034.50	....	....	....	....	....	....
Quincy	Westerly	Somerville avenue	Summer street	6.67	....	511.0	558.55	....	....	....	....	....	....
Richdale avenue	Southerly	School street	Sycamore street	6.67	884.0	....	661.65	295	264.10	....	....	....	....
School	Westerly	Evergreen avenue	Broadway	8.33	....	594.0	567.05	....	....	....	....	....	....
Walnut	Westerly	Pearl street	Veazie street	6.67	....	190.4	227.70	....	....	....	....	....	....
Wallace	Westerly	Holland street	Broadway	6.67	....	912.9	849.10	....	....	....	....	....	....
Webster avenue	Easterly	Beach avenue	Webster school lot	8.25	182.7	....	....	61	451.65	....	....	....	....
	Westerly	Tremont street	Cambridge line	8.25	443.3	....	487.06	148	....	....	....	400	56.00
Totals						11,432.0	10,399.4	\$19,811.22	3,739	\$8,992.80	2,121	\$378.70	7,272	\$1,507.95

APPENDIX A.
TABULAR STATEMENT OF SEWERS BUILT IN 1894.

LOCATION.				ITEMS OF COST.														COST AND ASSESSMENT.				
NAME OF STREET.	FROM.	TO.	CONTRACTOR.	Size in inches.	Length in feet.	Material excavated.	Average cut.	Cubic yards rock excavation.	Manholes.	Chimneys.	Inlets.	PIPE SEWER. Cost per lineal foot.							Average cost per lineal foot.	Total Cost.	Assessment.	Cost to City.
												Earth.	Rock.		Manholes and Chimneys.	Pipe.	Inspection.	Miscellaneous.				
													Labor.	Lineal ft. of excavation.									Price per cubic yard.
Central and Westwood road	Berkeley street Central street	Avon street Near Benton avenue	Charles A. Mongan	10 8	217.5 411.0	Hard-pan	9.1 8.3	56.7 164.0	1 2	.. ..	11 27	.48 .50	215 350	3.50	45.00	.21 .14	.05	(A) .01	\$2.17	\$ 1,364.28	\$ 853.05	\$ 511.23
City Farm lands	Berwick street A point 466 feet northeast from Berwick street	Northeasterly 466 feet Westerly	Timothy F. Crimmings and Dennis C. Collins	10 8	465.4 113.4	Hard-pan. Hard-pan.	.. ..	.. 13.5	1..	....	....	.73 .65	 23	4.00	52.00	.18 .13	.07	.. ..	1.14	659.21	659.21	....
Congress place	Linwood street	Southwesterly	Willard B. Bryne	8	115.6	Hard-pan.	6.0	....	..	1	5	.35	....	....	5.00	.15	.02	(A) .02	.58	66.71	....	66.71
Cross Street place	Cross street	Westerly	Charles A. Mongan	6	122.8	Hard-pan.	3.2	....	..	1	6	.25	....	....	1.00	.10	.02	.. ..	.37	45.69	45.24	.45
Glen	Fountain avenue	Near Oliver street	Willard B. Bryne	8	153.1	Hard-pan.	5.3	....	1	..	10	.35	....	....	30.00	.14	.02	.. ..	.71	108.52	23.98	84.54
Hall avenue and Private lands	A point 330 feet east from Elm street Private lands	Private lands Near Liberty avenue	Timothy F. Crimmings and	12 10	344.5 212.1	Hard-pan. Hard-pan.	8.9 7.9	72.6 97.1	1 1	.. ..	22 12	.90 .75	140 145	3.65 3.65	48.00 48.00	.26 .20	.12	(A) .07	2.71	2,140.85	1,184.82	1,443.78
Francesca avenue	Hall avenue Private lands	Francesca avenue Liberty avenue	Dennis C. Collins	12 12	234.6 275.0	Sand. Sand.	9.9 9.5	105.9 24.2	.. 1	6 18	.80 .60	200 25	3.65 3.50 44.50	..						
Kidder avenue and Private lands	Private lands Private lands	Northwesterly Near Liberty avenue	Richard Falvey	10 10	206.3 234.7	Sand. Sand.	9.5 8.2	22.1 114.2	1 1	.. ..	18 18	.60 .50	80 235	3.50 3.50	44.50 47.00	.23 .21	.11	(B) .04	1.72	825.58	962.84	
	Private lands Francesca avenue	Kidder avenue	Maurice Buttimer	8 12	163.4 228.0	Sand. Sand.	8.1 9.1	67.7 40.2	1 1	12 6	.45 .52	163 140	3.50 3.50	47.00 75.49	.14 .25							.09	(B) .04	2.39	1,497.46	872.45
Jenny Lind avenue	A point 313 feet northeast from Medford street	Near Broadway	Charles A. Mongan	8	257.8	Hard-pan.	8.7	2.5	2	..	19	.60	Bould'rs	4.50	48.00	.15	.06	.. ..	1.21	312.31	287.50	24.81
Laurel avenue	Laurel street	Westerly	Maurice Buttimer	8	186.0	Hard-pan.	6.9	30.9	..	1	8	.60	170	3.50	5.00	.15	.28	(B) .05	1.65	311.98	58.93	253.05
Leland	Washington street	Northeasterly	Charles A. Mongan	8	262.8	Sand.	8.6	....	1	..	16	.43	....	....	35.00	.14	.09	(C) .04	.83	219.12	218.39	.73
Melvin	A point 273 feet southwest from Broadway	Southwesterly	Maurice Buttimer	8	73.4	Hard-pan.	8.8	....	..	..	4	.55	....	....	....	.16	.04	.. ..	.79	57.74	56.38	1.36
North Union	A point 65 feet south from Mousal place	Southwesterly	Charles A. Mongan	10	192.9	Hard-pan.	9.0	4.8	1	..	14	.65	Bould'rs	4.00	55.00	.22	.13	(A) .06 (C) .06	1.56	301.72	175.77	125.95
Passageway	Northeast of No. 65 Newbury street	Westerly	Crimmings & Collins	8	136.3	Hard-pan.	6.1	....	..	1	2	.31	....	....	2.00	.14	.06	.. ..	.52	70.93	70.93	....
Pearl	Franklin street	Westerly	Charles A. Mongan	8	100.7	Hard-pan.	6.9	....	..	1	6	.50	....	....	3.00	.16	.13	(A) .06	.97	97.97	97.97	....
Pearl Street place	Pearl street	Northeasterly	Willard B. Bryne	8	170.5	Hard-pan.	6.7	1.7	..	1	7	.45	Bould'rs	5.00	5.00	.14	.03	(A) .01	.72	122.34	121.78	.56
Private lands	Broadway (opp. Wallace street)	Northeasterly 930 feet		10	948.2	Sand.	7.8	67.2	2	..	66	.35	80	3.25	35.00	.24	.02	(B) .01	1.20	1,138.03	1,917.56	3.33
Talbot avenue	A point 930 feet from Broadway Private lands	Talbot avenue College avenue	Charles A. Mongan	8 8	519.0 333.2	Sand. Hard-pan.	6.0 7.2	2 1	38 21	.55 42.00	42.00 40.00	.15 .10						
Packard ave. and Sawyer avenue	Private lands Talbot avenue Packard avenue	Packard avenue Sawyer avenue Near Curtis street	Maurice Buttimer Richard Falvey	6 6 8	1,143.7 32.0 612.9	Hard-pan. Hard-pan. Hard-pan.	8.5 10.0 9.0	259.8 22.0 313.2 75.0	5 2 2	.. .. ..	81 .. 46	.40 .. .34	315 32 613	3.50 3.50 3.50	40.00 44.50	.10 .15	.02 .03	(A) .02 (A) .04	1.54 2.86	1,764.51 1,844.91	3,608.90	.52
Putnam and Highland avenue	A point 50 feet southwest from Highland avenue Putnam street	Highland avenue Northwesterly	Charles A. Mongan	10 10	86.9 146.0	Hard-pan. Hard-pan.	9.3 10.0	.... ....	.. 2	.. ..	2 6	.60	Bould'rs	4.00	45.00	.19	.06	(A) .05	1.35	314.24	148.99	165.25
Snow terrace	Jaques street	Southwesterly	Maurice Buttimer	8	125.2	Hard-pan.	6.0	32.3	..	1	8	.49	60	3.00	7.00	.16	.02	.. ..	1.53	191.09	14.42	176.67
Summer	Cedar street	Near Linden avenue	Charles A. Mongan	8	257.5	Hard-pan.	9.2	....	1	..	19	.50	....	....	45.00	.14	.11	(A) .05	1.02	262.28	252.26	10.02
Summer	Willow avenue Banks street	Banks street Near Cherry street	Timothy F. Crimmings and Dennis C. Collins	12 10	245.8 553.5	Hard-pan. Hard-pan.	9.6 9.2	.... ....	1 2	.. ..	18 43	.61 .57	Bould'rs	4.00	47.00	.28 .22	.06	(A) .06	1.15	915.58	907.81	7.77
Sycamore	Medford street	Southwesterly	Hervey A. Hanscom	8	220.4	Hard-pan.	7.7	....	..	1	10	.39½	Bould'rs	....	2.50	.15	.02	.. ..	.64	140.16	136.64	3.52
Wheeler	Pinckney street	Near Mt. Vernon street	Charles A. Mongan	8	202.1	Hard-pan.	7.7	3.9	1	1	12	.50	20	4.00	38.00 5.00	.15	.03	(A) .03	1.01	203.27	123.23	80.04
Total length and cost of new sewers built in 1894					10,305.2															\$15,759.34	\$12,799.05	\$2,960.29

(A) Removing surplus material. (B) Test pits for location of rock. (C) Advertising. (D) Filling on line of sewer.

SEWERS CONTRACTED FOR IN 1894, AND UNCOMPLETED DECEMBER 31, 1894, FOR WHICH NO ASSESSMENTS HAVE BEEN MADE.

NAME OF STREET.	FROM.	TO.	CONTRACTOR.	Size in inches.	Approximate Length in feet.	Materials.	Payments to December 31, 1894.	
North Union Street sewer extension	North Union street, northeasterly	Mystic river	Dennis F. O'Connell	18 and 20	375.0	Akron { pipe	\$291.74	
Pitman street	Spring street	Westerly	Timothy F. Crimmings and Dennis C. Collins . .	10	100.0	Akron pipe	64.25	
Union Street and Mystic Avenue sewer extension	A point on Mystic avenue, near Austin street	North Union street . .	Maurice Buttimer	12	400.0	Akron pipe	28.00	
Total cost to the City of sewers built in 1894								\$383.99
								\$3,344.28

Total length of sewers built by the city previous to January 1, 1894	297,713.5
Total length of sewers built during the year 1894	10,305.2
Total length of sewers built by the city January 1, 1895	308,018.7
Total length of sewers built by private parties	25,502.1
Total length of sewers built in the city January 1, 1895	333,520.8

APPENDIX B.

Table showing the Location and Cost of Edgestone and Brick Sidewalks, of Paved Gutters and Roadway constructed in Streets where Edgestone was laid.

STREET.	SIDE.	FROM.	TO.	WIDTH OF SIDEWALK.	MATERIALS.			PAVED GUTTERS.		GRAVEL.		MACADAM.	
					Gravel and Edgestones. Lineal feet.	Bricks. Sq. Yards.	Cost.	Sq. Yards.	Cost.	Sq. Yards.	Cost.	Sq. Yards.	Cost.
Beacon	Northeasterly . .	Concord avenue	Dickinson street	6.67	....	447.1	\$ 384.35	....	....	....	....	....	....
Beacon	Northeasterly . .	Kent street	Miller street	11.00	1,087.0	....	780.59	362	\$ 303.90	....	....	....	....
Beacon and Kent	Northeasterly . .	Easterly line Durell school lot	Kent street	11.00	128.3	....	176.68	....	....	....	....	....	....
Berkeley	Easterly	Beacon street	Northerly line Durell school lot	4.17	87.4	....	....	....	....	....	....	....	....
Billingham	Northerly	School street	Central street	6.67	....	917.2	1,026.65	....	....	....	....	....	....
Broadway	Northwesterly . .	Broadway	William street	6.67	592.6	392.0	926.26	197	225.95	....	....	1,311	\$260.40
Broadway	Southerly	Rush street	Near Cross street	15.00	143.3	195.0	364.62	48	57.70	....	....	....	....
Broadway	Southerly	Cross street	Near Arthur street	15.00	....	502.9	604.68	....	....	....	....	....	....
Central	Westerly	Highland avenue	Boston & Maine Railroad	9.00	522.2	455.0	947.43	174	134.20	....	....	1,111	448.60
Cherry	Easterly	Summer street	Highland avenue	6.67	504.7	399.1	757.79	168	140.00	....	....	....	....
Dickinson	Southeasterly . .	Beacon street	Springfield street	6.67	737.0	....	498.89	246	247.60	....	....	....	....
Elm	Southwesterly . .	Russell street	Davis square	10.00	237.0	889.7	972.38	79	52.80	....	....	....	....
Elm	Northwesterly . .	Summit street	Kenwood street	10.00	....	224.0	236.85	....	....	....	....	....	....
Essex	Both	Medford street	Richdale avenue	6.67	494.2	....	339.52	165	176.00	....	....	530	52.85
Flint	Northeasterly . .	Cross street	Aldrich street	6.67	....	504.7	515.35	....	....	....	....	....	....
Gibbens	Southerly	Central street	Benton avenue	6.67	....	333.7	336.85	....	....	....	....	....	....
Hathorn	Westerly	Broadway	Arlington street	6.67	327.8	....	256.69	109	80.10	....	....	....	....
Heath	Northeasterly . .	Temple street	Bond street	6.67	1,042.3	....	909.37	347	454.20	....	....	2,392	168.60
Highland avenue	Northerly	Central street	Westerly line Central Club Ass'n	10.00	92.1	75.0	170.05	31	36.20	....	....	666	279.80
Highland avenue	Southerly	Putnam street	Westerly line Est. Johnson heirs	10.00	....	117.0	138.25	....	....	....	....	....	....
Lake	Southerly	Hawkins street	South Church street	6.67	859.8	....	614.67	287	273.95	....	....	....	....
Medford	Southwesterly . .	Central street	Bartlett street	9.17	647.8	....	446.91	216	212.30	....	....	....	....
Medford	Southwesterly . .	School street	Lee street	8.33	....	592.0	628.35	....	....	....	....	....	....
Munroe	Northerly	Walnut street	Southeasterly line Wentworth Est.	10 to 6.67	377.9	290.5	569.54	126	104.95	....	....	} 862	241.70
Munroe	Southerly	Walnut street	Estate of Mary Jones	6.67	366.3	259.7	516.12	122	166.50	....	....
Preston	South and West . .	School street	Summer street	6.67	....	589.4	572.63	....	....	....	....	....	....
Porter	Both	Summer street	Highland avenue	6.67	1,674.3	....	1,782.14	558	610.20	2,121	\$378.70	....	....
Putnam	Westerly	Summer street	Highland avenue	8.33	....	947.1	1,036.50	....	....	....	....	....	....
Quincy	Westerly	Somerville avenue	Summer street	6.67	....	571.0	558.55	....	....	....	....	....	....
Richdale avenue	Southerly	School street	Sycamore street	6.67	884.0	....	661.65	295	264.10	....	....	....	....
School	Westerly	Evergreen avenue	Broadway	8.33	....	594.0	567.05	....	....	....	....	....	....
Walnut	Westerly	Pearl street	Veazie street	6.67	....	190.4	227.70	....	....	....	....	....	....
Wallace	Westerly	Holland street	Broadway	6.67	....	912.9	849.10	....	....	....	....	....	....
Webster avenue	Easterly	Beach avenue	Webster school lot	8.25	182.7	....	437.06	61	} 451.65	....	....	....	....
	Westerly	Tremont street	Cambridge line	8.25	443.3	148		400	56.00
Totals					11,432.0	10,399.4	\$19,811.22	3,739	\$3,992.30	2,121	\$378.70	7,272	\$1,507.95

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APPENDIX C.

TABLE SHOWING LOCATION AND COST OF STREET IMPROVEMENTS.

NAME OF STREET.	MACADAM.	
	Sq. Yards.	Cost.
Broadway (at Boston & Lowell R. R. Bridge) .	2,000	\$ 374.55
Claremon (Holland street to Mead street) . .	1,555	399.40
Cross (Broadway to Mystic avenue) . . .	3,055	811.20
Cross (Broadway to Gilman street) . . .	3,400	540.00
Elm (at Nathan Tufts Park) . . .	1,000	145.05
Elm (Willow avenue to Cedar street) . . .	5,500	1,740.60
Gorham (Holland street to Howard street) .	2,100	197.80
Greenville (Medford street to High street) .	1,830	427.35
Hall avenue (Elm street to Liberty avenue) .	2,570	510.70
Hudson (Cedar street to Lowell street) . .	3,600	504.65
Jenny Lind ave. (Medford street to Broadway) .	1,700	503.30
Medford (Somerville ave. to Washington street)	2,900	1,649.45
Pearl (Cross street to Gilman square) . . .	9,500	1,103.35
School (Berkeley street to Somerville avenue) .	3,070	765.80
Washington (Fitchburg R. R. to Beacon street) .	7,000	3,923.60
York terrace (Central street to Harvard place) .	750	275.00
Totals	51,460	\$13,871.80

APPENDIX D.

STREETS ACCEPTED IN 1894.

NAME OF STREET.	FROM.	TO.	Width in Feet.	Length in Feet.
Bartlett	Vernon st. . .	Medford st. . .	40	820
Bigelow	Boston st. . .	Munroe st. . .	50	208
Claremon	Holland st. . .	Mead st. . .	40	560
Cutter ave. . . .	Highland ave. .	Summer st. . .	40	480
Cypress	Central st. . .	Beach st. . .	40	262
Delaware	Pearl st. . . .	Aldrich st. . .	40	451
Fanning ave. . .	Highland ave. .	Lexington ave.	50	376
Hall ave. . . .	Elm st. . . .	Liberty ave. .	40	926
Hancock	Elm st. . . .	Summer st. . .	40	781
Knapp	School st. . .	Granite st. . .	40	379
Leon	Concord ave. .	Dickinson st. .	40	155
Lowell	Medford st. . .	Vernon st. . .	40	1,141
Munroe	Walnut st. . .	Easterly . . .	40	375
Porter	Highland ave. .	Summer st. . .	40 and 45	805
Robinson	Central st. . .	Bartlett st. . .	40	582
Trull	Medford st. . .	Vernon st. . .	40	1,050
Walde	Highland ave. .	Hudson st. . .	40	287
Warwick	Cedar st. . .	Warwick ave. .	40	665
Westwood road .	Central st. . .	Benton ave. .	40	487

APPENDIX F.

TABLE SHOWING THE LOCATION, LENGTH AND WIDTH OF PUBLIC AND PRIVATE STREETS.

STREET.	FROM.	To.	Public or Private.	Width in Feet.	LENGTH.	
					Public.	Private.
Adams	Broadway	Medford st.	Public.	40	900	..
Adrian	Marion st.	Joseph st.	Private.	40	..	530
Albion place	Albion st.	Northeasterly	Private.	10	..	80
Albion	Central st.	Cedar st.	Public.	40	2,742	..
Albion	Broadway	Medford line	Private.	50	..	100
*Albro	Hollis st.	Southwesterly	Private.	30	..	410
Aldersey	Walnut st.	Vinal ave.	Public.	40	508	..
Aldrich	Pearl st.	B. & L. R. R.	Public.	40	611	..
Alfred	Broadway	Medford line	Private.	50	..	50
Allen	Somerville ave.	Charlestown st.	Private.	25	..	680
Allen ct.	Park st.	Northwesterly	Private.	20	..	150
Alpine	Cedar st.	Southeasterly	Private.	30	..	670
Alston	Cross st.	Shawmut pl.	Private.	40	..	420
Ames	Bartlett st.	Robinson st.	Public.	40	580	..
Appleton	Willow ave.	Clifton st.	Public.	40	510	..
Appleton	Clifton st.	Liberty ave.	Private.	40	..	120
Arlington	Franklin st.	Lincoln st.	Public.	40	440	..
Arnold ct.	Beacon st.	Northeasterly	Private.	10	..	115
Arthur ct.	Linden st.	Easterly	Private.	about 10	..	100
Arthur	Broadway	Bonair st.	Public.	40	438	..
Ashland	Summer st.	Sartwell ave.	Private.	30	..	470
Asylum ave.	Washington st.	McLean Asylum	Private.	about 30	..	2,000
Atherton	Central st.	Beech st.	Private.	40	..	264
Auburn ave.	Cross st.	B. & L. R. R.	Private.	30	..	600
Austin	Broadway	Mystic ave.	Public.	40	680	..
Autumn	Broadway	Bonair st.	Private.	20	..	420
Avon	School st.	Central st.	Private.	40	..	1,360
Avon place	Cross st.	B. & L. R. R.	Private.	25	..	150
Ayer ave.	Morrison ave.	Boston ave.	Private.	70	..	1,500
Banks	Elm st.	Summer st.	Private.	40	..	639
Bartlett	Vernon st.	Medford st.	Public.	40	820	..
Bartlett	Medford st.	Broadway	Private.	40	..	730
Bartlett	Washington st.	Asylum Grounds.	Private.	20	..	200
Bay State ave.	Broadway	Fosket st.	Private.	40	..	1,197
Beach ave.	Webster ave.	Columbia st.	Private.	about 20	..	200
Beacon place	Beacon st.	Northeasterly	Private.	15	..	200
Beacon	Cambridge line	Somerville ave.	Public.	66	6,100	..
Beacon terrace	Somerville ave.	Northeasterly	Private.	24	..	110
Bean's ct.	Cutter st.	Southeasterly	Private.	16	..	100
Bedford	South st.	Cambridge line	Private.	30	..	160
Beech	Somerville ave.	Spring st.	Public.	40	800	..
Bellevue terrace	Albion st.	Northeasterly	Private.	20	..	90
Belmont	Somerville ave.	Highland ave.	Public.	40	2,175	..
Belmont place	Belmont st.	Southeasterly	Private.	25	..	175
Benedict ave.	Broadway	Benedict st.	Private.	20	..	200
Benedict	Union st.	Austin st.	Public.	40	600	..
Bennett ct.	Bennett st.	Prospect st.	Private.	10	..	100
Bennett	Prospect st.	Bennett ct.	Private.	40 to 25	..	400
Benton ave.	Summer st.	Hudson st.	Private.	40	..	1,210
Berkeley	School st.	Central st.	Public.	40	1,360	..
Berwick	Lawrence st.	Northwesterly	Private.	20	..	170
Bigelow	Boston st.	High st.	Public.	50	208	..
Billingham	Broadway	William st.	Public.	40	563	..
Bishop's place	Glen st.	Easterly	Private.	10	..	75
Blakeley ave.	Winthrop ave.	Cross st.	Private.	40	..	630
Bleachery ct.	Somerville ave.	Fitchburg R. R.	Private.	30	..	450
Bolton	Oak st.	Houghton st.	Private.	40	..	500

* Proposed.

APPENDIX F.—*Continued.*

STREET.	FROM.	TO.	Public or Private.	Width in Feet.	LENGTH.	
					Public.	Private.
Bonair	Cross st.	Walnut st.	Public.	40	1,470	..
Bond	Broadway	Jaques st.	Public.	40	640	..
Bonner ave.	Washington st.	Columbus ave.	Public.	40	450	..
Boston ave.	Medford line	Mystic River	Public.	60	910	..
*Boston ave.	Cedar st.	Medford line	Private.	50	..	1,200
Boston	Washington st.	Prospect Hill ave.	Public.	45	630	..
Boston	Prospect Hill ave.	Walnut st.	Public.	40	1,250	..
Bow	Union sq.	Wesley sq.	Public.	60	600	..
Bow	Wesley pk.	Somerville ave.	Public.	50	500	..
Bowdoin	Washington st.	Southerly	Private.	40	..	370
Bow St. place	Bow st.	Northwesterly	Private.	40	..	300
Bradford ave.	School st.	Southeasterly	Private.	40	..	150
Bradley	Pearl st.	Walter st.	Private.	40	..	765
Brastow ave.	Lowell st.	Porter st.	Public.	40	686	..
Broadway	Charlestown line	Cross st.	Public.	100	2,590	..
Broadway	Cross st.	Marshall st.	Public.	100 to 200	2,060	..
Broadway	Marshall st.	Main st.	Public.	100	1,570	..
Broadway	Main st.	Top of hill	Public.	100 to 90	1,030	..
Broadway	Top of hill	Albion st.	Public.	90	2,540	..
Broadway	Albion st.	Willow ave.	Public.	90 to 70	1,030	..
Broadway	Willow ave.	Paulina st.	Public.	70	3,250	..
Broadway	Paulina st.	Arlington line	Public.	65	3,220	..
Broadway place	Broadway	Southwesterly	Private.	22	..	250
Brook	Glen st.	Cross st.	Public.	40	500	..
Brook	Dover st.	Northerly	Private.	40	..	200
Browning road	Sycamore st.	Central st.	Private.	40	..	679
Buckingham	Beacon st.	Dimick st.	Public.	40	300	..
Burnside ave.	Elm st.	Summer st.	Private.	40	..	720
Caldwell place	Washington st.	Southerly	Private.	20	..	210
Calvin	Beacon st.	Dimick st.	Private.	40	..	250
Calvin	Dimick st.	Washington st.	Private.	30	..	395
Cambria	Central st.	Benton ave.	Private.	40	..	488
Cameron ave.	Holland st.	Cambridge line	Private.	60	..	1,000
Campbell pk.	Meacham st.	Kingston st.	Private.	40	..	395
Campbell pk. place	Kingston st.	Arlington Br. R.	Private.	20	..	84
Carlton	Somerville ave.	Lake st.	Public.	40	300	..
Carver	Porter st.	Northwesterly	Private.	40	..	156
Cedar	Elm st.	Broadway	Public.	40	4,150	..
Cedar ave.	Cedar st.	Linden ave.	Private.	22	..	290
Cedar st. place	Murdock st.	Southwesterly	Private.	20	..	220
Central	Somerville ave.	Summer st.	Public.	33	1,150	..
Central	Summer st.	Medford st.	Public.	40	2,480	..
Central	Medford st.	Broadway	Public.	45	1,070	..
Centre	Albion st.	B. & L. R. R.	Private.	35	..	200
Chandler	Park ave.	Broadway	Public.	40	1,232	..
Chapel	Elm st.	Chandler st.	Public.	40	273	..
Chapel ct.	Sycamore st.	Northwesterly	Private.	12	..	130
Charles	Washington st.	Asylum Grounds.	Private.	30	..	200
Charlestown	Allen st.	Easterly	Private.	15	..	400
Charnwood road	Willow ave.	Gordonia road	Private.	40	..	588
Chauncy ave.	Broadway	Mystic ave.	Public.	50	1,320	..
*Chelsea	Mystic ave.	Melrose st.	Private.	50	..	1,390
Cherry	Elm st.	Highland ave.	Public.	45	1,450	..
Chester	Elm st.	Cambridge line	Public.	40	850	..
Chester ave.	Medford st.	Angle	Public.	about 22	220	..
Chester ave.	Angle	Cross st.	Private.	20	..	445
Chester place	Chester st.	Northwesterly	Private.	40	..	200
Chestnut	Poplar st.	Southeasterly	Private.	40	..	540
Church	Summer st.	Somerville ave.	Public.	40	560	..
Church (south)	Somerville ave.	Lake st.	Public.	40	340	..
Church st. place	Church st. (south)	Northwesterly	Private.	25	..	170
Claremon	Holland st.	Mead st.	Public.	40	560	..

* Proposed.

APPENDIX F.—*Continued.*

STREET.	FROM.	TO.	Public or Private.	Width in Feet.	LENGTH.	
					Public.	Private.
Clarendon ave.	Broadway	Cambridge line	Private.	40	..	1,210
Clark	Newton st.	Northwesterly	Private.	35	..	450
Clifton	Appleton st.	Morrison st.	Public.	40	240	..
Clifton	Morrison st.	Arlington Br. R.	Private.	40	..	220
Clyde	Cedar st.	Murdock st.	Private.	30	..	600
College ave.	Broadway	Medford line.	Public.	50	1,700	..
Columbia	Glass House ct.	Cambridge line.	Private.	40	..	550
Columbia ct.	Columbia st.	Webster ave.	Private.	9	..	150
Columbus ave.	Land of Clark	Walnut st.	Public.	40	1,000	..
Columbus ct.	Washington st.	Northerly	Private.	30	..	100
Concord ave.	Prospect st.	Leon st.	Public.	40	1,500	..
Concord ave.	Leon st.	Beacon st.	Private.	30	..	470
Congress place	Linwood st.	Southwesterly	Private.	16	..	200
Conlon ct.	Columbia st.	Easterly	Private.	20	..	200
Conwell	Highland ave.	Southwesterly	Private.	35	..	360
Conwell ave.	Curtis st.	Westerly	Private.	40	..	600
Cook	Marion st.	W. of So. Wyatt st.	Private.	40	..	450
Cooney	Beacon st.	Line st.	Private.	26	..	220
Cottage ave.	Russell st.	Chester st.	Public.	40	500	..
Cottage place	Washington st.	Northwesterly	Private.	about 11	..	150
Craigie	Somerville ave.	Summer st.	Public.	50	1,250	..
Crescent	Washington st.	Pearl st.	Private.	30 to 38	..	650
Crocker	Highland ave	Crown st.	Public.	40	528	..
Cross	Medford st.	Broadway	Public.	45	2,650	..
Cross	Broadway	Mystic ave.	Public.	40	1,100	..
Crown	Porter st.	Lowell st.	Private.	30	..	700
Curtis	Broadway	Medford line	Public.	40	2,300	..
Cutler	Lawrence st.	Northwesterly	Private.	20	..	170
Cutter	Broadway	Webster st.	Public.	40	740	..
Cutter ave.	Summer st.	Highland ave.	Public.	40	430	..
Cutter place	Cutter ave.	Northwesterly	Private.	30	..	155
Cypress	Central st.	Beech st.	Public.	40	262	..
Dana	Bonair st.	Pearl st.	Public.	40	690	..
Dane	Somerville ave.	Washington st.	Public.	40	1,270	..
Dane ct.	Dane st.	Easterly	Private.	30	..	600
Dartmouth	Medford st.	Broadway	Public.	40	1,450	..
Day	Elm st.	Cambridge line	Public.	40	940	..
*Dean ave.	Morrison ave.	Boston ave.	Private.	40	..	1,145
Delaware	Aldrich st.	Pearl st.	Public.	40	451	..
Dell	Glen st.	Tufts st.	Private.	40	..	465
Derby	Temple st.	Wheatland st.	Public.	40	1,031	..
Dexter	Broadway	Medford line	Private.	50	..	25
Dickinson	Springfield st.	Beacon st.	Public.	40	770	..
Dimick	Concord ave.	Calvin st.	Private.	40	..	860
Distillhouse	South st.	Cambridge line	Private.	35	..	150
Dix place	Linwood st.	Southwesterly	Private.	10	..	100
Dover	Elm st.	Cambridge line	Public.	40	940	..
Dow	North st.	Easterly	Private.	40	..	645
Downer place	Downer st.	B. & L. R. R.	Private.	20	..	125
Downer	Nashua st.	Southeasterly	Private.	20	..	120
Durham	Beacon st.	Hanson st.	Private.	40	..	450
Earle	South st.	Fitchburg R. R.	Private.	30	..	500
East Albion	E. of Moreland st.	Medford line	Private.	40	..	490
Eastman place	Highland ave.	Southwesterly	Private.	40	..	300
East Newton	Prospect st.	Webster ave.	Public.	25	470	..
*Edgeworth	Mystic ave.	Melrose st.	Private.	50	..	1,380
Edmands	Broadway	Southwesterly	Private.	40	..	525
Electric ave.	Curtis st.	Westminster st.	Private.	40	..	265
Eliot	Vine st.	Park st.	Public.	40	260	..
Ellington road	Highland ave.	Northeasterly	Private.	35	..	120
Ellington road	West st.	Northwesterly	Private.	30	..	405

* Proposed.

APPENDIX F. — *Continued.*

STREET.	FROM.	TO.	Public or Private.	Width in Feet.	LENGTH.	
					Public.	Private.
Ellsworth	Cross st.	Rush st.	Public.	40	210	..
Elm ct.	Villa ave.	Northwesterly	Private.	18	..	70
Elm place	Harvard st.	East'ly & West'ly	Private.	30	..	400
Elm	Somerville ave.	Cherry st.	Public.	63	1,500	..
Elm	Cherry st.	White st.	Public.	63 to 60	330	..
Elm	White st.	Banks st.	Public.	60	660	..
Elm	Banks st.	Beech st.	Public.	60 to 77.5	290	..
Elm	Beech st.	Tenney st.	Public.	77.5 to 60	570	..
Elm	Tenney st.	Medford line	Public.	60	4,300	..
Elmwood	Holland st.	Cambridge line	Private.	40	..	970
Elston	Elm st.	Summer st.	Public.	40	396	..
Emerson	Everett st.	Newton st.	Private.	30	..	170
Emery	Fitchburg R. R.	South st.	Private.	30	..	530
Endicott ave.	Broadway	Southwesterly	Private.	40	..	800
Essex	Medford st.	Richdale ave.	Public.	40	232	..
Eustis court	Beacon st.	Southwest	Private.	30	..	150
Everett	Webster ave.	Newton st.	Private.	30	..	350
Everett ave.	Cross st.	Dana st.	Public.	40	800	..
Evergreen ave.	Marshall st.	Sycamore st.	Public.	40	1,320	..
Evergreen sq.	Porter st.	Southeasterly	Private.	8	..	200
Fairlee	Cherry st.	Northwesterly	Private.	30	..	150
Fairmount ave.	Curtis st.	Northwesterly	Private.	40	..	700
Fanning ave.	Highland ave.	Lexington ave.	Public.	50	376	..
Farragut ave.	Broadway	Southwesterly	Private.	40	..	840
Fenwick	Broadway	Heath st.	Public.	40	340	..
Fisk ave.	Hinckley st.	Lowell st.	Private.	20 and 25	..	460
Fitchburg ct.	Fitchburg st.	Southeasterly	Private.	10	..	225
Fitchburg	Linwood st.	B. & L. R. R.	Private.	40	..	400
Fitchburg	Linden st.	Easterly	Private.	20	..	300
Flint ave.	Flint st.	Northerly	Private.	40	..	200
Flint	Franklin st.	Aldrich st.	Public.	40	1,773	..
Florence	Washington st.	Perkins st.	Public.	40	1,280	..
Folger	Broadway	Fairmount ave.	Private.	40	..	280
Forrest	Beacon st.	Cambridge line	Public.	40	150	..
Forster	Sycamore st.	Central st.	Private.	30	..	430
Fosket	Willow ave.	Liberty ave.	Private.	40	..	670
Fountain ave.	Cross st.	Glen st.	Private.	30	..	550
Francesca ave.	Elm st.	Liberty ave.	Public.	40	762	..
Francis	Porter st.	Conwell st.	Private.	30	..	180
Franklin ave.	Washington st.	Franklin st.	Private.	20	..	500
Franklin ct.	Somerville ave.	B. & L. R. R.	Private.	..	..	200
Franklin place	Franklin st.	Southeasterly	Private.	15	..	100
Franklin	Broadway	Northerly	Private.	40	..	120
Franklin	Broadway	Washington st.	Public.	40+	2,230	..
*Frederick ave.	Willow ave.	Cedar st.	Private.	45	..	1,360
Fremont	Main st.	Near Mystic ave.	Private.	40	..	1,397
Fremont ave.	Parker st.	East'ly & West'ly	Private.	30	..	235
Frost ave.	Somerville ave.	Dane st.	Private.	35	..	550
Garden ct.	Somerville ave.	Fitchburg R. R.	Private.	25	..	370
Garfield ave.	Broadway	Mystic ave.	Private.	40	..	1,150
Garrison ave.	Broadway	Southwesterly	Private.	40	..	850
George	Broadway	Lincoln ave.	Private.	40	..	350
Gibbens	Central st.	Benton ave.	Public.	40	492	..
Giles place	Walnut st.	Northwesterly	Private.	32.71	..	168
Gill's ct.	Franklin st.	Westerly	Private.	10	..	100
Gilman	Cross st.	Walnut st.	Public.	40	1,430	..
Gilman terrace	Pearl st.	Northeasterly	Private.	40	..	360
Glass House ct.	Webster ave.	Easterly	Private.	40	..	200
Glen	Broadway	Tufts st.	Public.	40	2,300	..
Glover circle	Meacham st.	Southeasterly	Private.	20	..	110
Gordonia road	Summer st.	Charnwood road	Private.	40	..	263

* Proposed.

APPENDIX F. — *Continued.*

STREET.	FROM.	TO.	Public or Private.	Width in Feet.	LENGTH.	
					Public.	Private.
Gorham	Holland st.	Howard st.	Public.	40	763	..
Gould ave.	Porter st.	Southeasterly	Private.	16	..	156
Grand View ave.	Walnut st.	Vinal ave.	Public.	40	470	..
Granite	Somerville ave.	Osgood st.	Private.	40	..	400
Grant	Broadway	Mystic ave.	Private.	40	..	1,350
Greene	Summer st.	Laural st.	Public.	40	555	..
Greenville	Medford st.	High st.	Public.	40	660	..
Greenwood terrace	Beacon st.	Northeasterly	Private.	25	..	165
Grove	Elm st.	Morrison st.	Public.	40	985	..
Hadley ct.	Franklin st.	Westerly	Private.	20	..	150
Hall	Cedar st.	Cherry st.	Private.	30	..	350
Hall ave.	Elm st.	Liberty ave.	Public.	40	926	..
Hamlet	Highland ave.	Southwesterly	Private.	30	..	400
Hammond	Dickinson st.	Concord ave.	Private.	40	..	273
Hancock	Elm st.	Summer st.	Public.	40	781	..
Hanson ave.	Hanson st.	Easterly	Private.	30	..	252
Hanson	Washington st.	Vine st.	Private.	35	..	750
Harding	South st.	Cambridge line	Private.	30	..	115
Harris	Beacon st.	Cambridge line	Private.	35	..	150
Harrison	Ivaloo st.	Mondamin ct.	Public.	40	335	..
Harrison	Mondamin ct.	Kent st.	Private.	40	..	335
Harrison	Elmwood st.	Southeasterly	Private.	40	..	210
Harvard	Summer st.	Beech st.	Public.	40	650	..
Harvard place	Harvard st.	East'ly & West'ly	Private.	35	..	400
Hathorn	Broadway	Arlington st.	Public.	40	330	..
Hawkins	Somerville ave.	Washington st.	Public.	40	330	..
Hawthorne	Willow ave.	Cutter ave.	Private.	30	..	810
Hayden terrace	Linden ave.	Easterly	Private.	20	..	120
Heath	Temple st.	Bond st.	Public.	45	1,043	..
Heath	Bond st.	Moreland st.	Private.	45	..	750
Henderson	Richardson st.	B. & L. R. R.	Private.	20	..	535
Hennessey ct.	Medford st.	Fisk ave.	Private.	20	..	250
Henry ave.	Highland ave.	Lexington ave.	Private.	40	..	290
Herbert	Chester st.	Day st.	Public.	40	360	..
Hersey	Berkeley st.	Oxford st.	Private.	40	..	230
High	Boston st.	Monroe st.	Private.	50	..	1,100
Highland ave.	Medford st.	Davis sq.	Public.	60	9,100	..
Hillside ave.	Pearl st.	Southwesterly	Private.	30	..	150
Hillside park	Walnut st.	Northwesterly	Private.	40	..	245
Hinckley	Broadway	Lawrence st.	Private.	30	..	430
Hodgdon place	Dane ct.	Northeasterly	Private.	about 20	..	150
Holland	Davis sq.	Broadway	Public.	60	2,650	..
Hollis	Cameron ave.	Westerly	Private.	30	..	422
Holmes	Cameron ave.	Westerly	Private.	30	..	422
Holt ct.	Wyatt st.	Westerly	Private.	10	..	70
Holt's ave.	Oak st.	Southeasterly	Private.	10	..	100
Homer sq.	Bonner ave.	Northwesterly	Private.	30+	..	200
Horace	South st.	Fitchburg R. R.	Private.	30	..	510
Houghton	Prospect st.	Springfield st.	Private.	40	..	750
Howard	Thorndike st.	Gorham st.	Private.	40	..	430
Howard	Whipple st.	Willow ave.	Private.	30	..	255
Howe	Marshall st.	School st.	Public.	40	445	..
Hudson	Central st.	Cedar st.	Public.	40	2,760	..
Hunting	South st.	Cambridge line	Private.	30	..	125
Irving	Holland st.	Broadway	Public.	40	1,180	..
Ivaloo	Beacon st.	Park st.	Public.	40	650	..
Jackson	Medford st.	Maple st.	Private.	30	..	150
James	Pearl st.	Veazie st.	Public.	40	320	..
Jaques	Chauncey ave.	Temple st.	Public.	40	1,200	..
Jaques	Temple st.	Bond st.	Public.	45	1,050	..

* Proposed.

APPENDIX F. — *Continued.*

STREET.	FROM.	To.	Public or Private.	Width in Feet.	LENGTH.	
					Public.	Private.
*Jasper	Pearl st.	Gilman st.	Private.	40	..	300
Jay	Holland st.	Howard st.	Private.	40	..	525
Jenny Lind ave.	Vernon st.	Broadway	Public.	40	1,507	..
Jerome ct.	Sycamore st.	Jerome st.	Private.	10	..	150
Jerome	Montrose st.	Jerome ct.	Private.	20	..	125
Joseph	Newton st.	Northwesterly	Public.	40	385	..
Josephine ave.	Morrison ave.	Broadway	Private.	45	..	1,715
Joy	Washington st.	Poplar st.	Private.	30	..	1,150
Joy St. place	Joy st.	Southwesterly	Private.	30	..	175
Kensington ave.	Broadway	Blakeley ave.	Private.	40	..	440
Kent ct.	Kent st.	Northerly	Private.	about 25	..	420
Kent	Somerville ave.	Fitchburg R. R.	Private.	40	..	300
Kent	Fitchburg R. R.	Beacon st.	Private.	25	..	400
Kenwood	Elm st.	Billingham st.	Private.	40	..	322
Kidder ave.	Elm st.	Willow ave.	Private.	40	..	1,280
Kilby	Somerville ave.	Southwesterly	Private.	20	..	180
Kingman ct.	Washington st.	Fitchburg R. R.	Private.	25	..	400
Kingston	Meacham st.	Campbell pk.	Private.	40	..	620
Knapp	School st.	Granite st.	Public.	40	379	..
Knowlton	Oliver st.	Tufts st.	Private.	40	..	925
Lake	Hawkins st.	Church st.	Public.	40	860	..
Lamson ct.	Linwood st.	Poplar st.	Private.	20	..	370
Landers	School st.	Westerly	Private.	40	..	280
Laurel ave.	Laurel st.	Northwesterly	Private.	18	..	125
Laurel	Somerville ave.	Summer st.	Public.	40	940	..
Lawrence	Hinckley st.	B. & L. R. R.	Private.	35	..	650
Lawrence	Boston ave.	Southwesterly	Private.	35	..	710
Lawson terrace	Putnam st.	Easterly	Private.	5	..	200
Lee	Medford st.	Richdale ave.	Private.	40	..	385
Leland	Washington st.	Northeasterly	Private.	40	..	250
Leon	Concord ave.	Dickinson st.	Public.	40	155	..
Leonard place	Joy st.	Northeasterly	Private.	13+	..	98
Lesley ave.	Highland ave.	Lexington ave.	Private.	40	..	333
Leslie place	Highland ave.	Northerly	Private.	12	..	75
Lester place	Meacham st.	Northwesterly	Private.	20	..	190
Lexington ave.	Willow ave.	Cedar st.	Private.	50	..	1,360
Liberty ave.	Appleton st.	Broadway	Private.	40	..	1,495
Lincoln ave.	Lincoln st.	Mt. Vernon st.	Private.	40	..	450
Lincoln place	Lincoln ave.	Northerly	Private.	9	..	120
Lincoln	Broadway	Perkins st.	Public.	40	550	..
Linden	Somerville ave.	Fitchburg R. R.	Private.	30	..	705
Linden ave.	Elm st.	Summer st.	Public.	45	1,050	..
Linden ave.	Summer st.	Northeasterly	Private.	45	..	250
Linden place	Linden ave.	Northwesterly	Private.	20	..	160
Line	Washington st.	Cambridge line	Private.	33	..	1,750
Linehan ct.	Linwood st.	Chestnut st.	Private.	about 15	..	200
Linwood place	Linwood st.	Southwesterly	Private.	about 12	..	150
Linwood	Somerville ave.	Washington st.	Public.	50	2,050	..
London	Linwood st.	B. & L. R. R.	Private.	40	..	340
Loring	Somerville ave.	Northeasterly	Private.	40	..	400
Louisburg place	Autumn st.	Easterly	Private.	13	..	90
Lowell	Somerville ave.	Albion st.	Private.	33+	..	2,580
Lowell	B. & L. R. R.	Vernon st.	Private.	33+	..	60
Lowell	Vernon st.	Medford st.	Public.	40	1,141	..
Lowden	Broadway	Fosket st.	Private.	40	..	1,205
Madison	School st.	Sycamore st.	Public.	40	891	..
Main	Broadway	Medford line	Public.	50	950	..
*Malden	Mystic ave.	Melrose st.	Private.	50	..	1,360
Mallet	Willow ave.	Liberty ave.	Private.	40	..	580
Malloy ct.	Somerville ave.	Merriam ave.	Private.	30	..	255

* Proposed.

APPENDIX F. — *Continued.*

STREET.	FROM.	TO.	Public or Private.	Width in Feet.	LENGTH.	
					Public.	Private.
Mansfield	Somerville ave.	Washington st.	Private.	40	..	730
Maple ave.	School st.	Southeasterly	Private.	40	..	300
Maple	Poplar st.	Jackson st.	Private.	30	..	470
Maple place	Marshall st.	Maple ave.	Private.	5	..	125
Marion	Concord ave.	Adrian st.	Private.	40	..	170
Marshall	Broadway	Pearl st.	Public.	40	1,650	..
Mason ave.	Orchard st.	Cambridge line	Private.	35	..	220
May place	Hawkins st.	Easterly	Private.	12	..	100
Mc Culphe place	Medford st.	Easterly	Private.	10	..	110
McGregor place	Wigglesworth st.	Walnut st.	Private.	about 10	..	250
Meacham	Orchard st.	Cambridge line	Public.	40	100	..
Meacham	Arlington B. R. R.	Orchard st.	Private.	40	..	600
Meacham	Mt. Vernon ave.	Medford line	Private.	40	..	800
Mead	Cameron ave.	Moore st.	Private.	40	..	340
Medford	Cambridge line	Central st.	Public.	50	8,150	..
Medford	Central st.	Broadway	Public.	55	1,950	..
Melburn place	Summer st.	Northeasterly	Private.	30	..	125
Melrose	Mystic ave.	Middlesex ave.	Private.	50	..	2,310
Melvin	Broadway	Bonair st.	Private.	40	..	487
Merriam ave.	Merriam st.	Malloy ct.	Private.	15	..	255
Merriam	Somerville ave.	Charlestown st.	Private.	30	..	500
Middlesex ave.	Mystic ave.	Medford line	Public.	60	3,400	..
Milk St. place	Somerville ave.	Southwesterly	Private.	about 30	..	100
Miller	Sacramento st.	Northwesterly	Private.	33	..	350
Mills	Walnut st.	Sargent ave.	Public.	40	560	..
Miner	Vernon st.	Ames st.	Public.	40	244	..
Minnie ave.	Meacham st.	Northeasterly	Private.	40	..	705
Mondamin ct.	Ivaloo st.	Harrison st.	Private.	25	..	250
Montgomery ave.	Broadway	Wellington ave.	Public.	40	265	..
Montrose ct.	Montrose st.	B. & L. R. R.	Private.	12	..	110
Montrose	School st.	Sycamore st.	Public.	40	886	..
Moore	Holland st.	Mead st.	Public.	40	695	..
Moreland	Main st.	Mystic ave.	Private.	40	..	1,513
Morgan	Beacon st.	Park st.	Public.	40	..	350
Morrison ave.	Willow ave.	Cedar st.	Private.	50	..	1,366
Morrison place	Morrison st.	Northerly	Private.	20	..	190
Morrison place	Morrison pl.	Easterly	Private.	15	..	175
Morrison	Willow ave.	Elm st.	Public.	40	1,700	..
Mortimer place	Marshall st.	Southeasterly	Private.	20	..	150
Morton	Glen st.	Knowlton st.	Private.	40	..	285
Mossland	Somerville ave.	Elm st.	Public.	40	350	..
Mountain ave.	Linden ave.	Porter st.	Private.	22	..	310
Mousal place	North Union st.	B. & M. R. R.	Private.	20	..	200
Mt. Pleasant ave.	Curtis st.	Northwesterly	Private.	40	..	700
Mt. Pleasant ct.	Perkins st.	Southwesterly	Private.	40	..	260
Mt. Pleasant	Broadway	Perkins st.	Public.	33	570	..
Mt. Vernon ave.	Main st.	Meacham st.	Private.	50	..	800
Mt. Vernon	Washington st.	Pearl st.	Public.	40	600	..
Mt. Vernon	Pearl st.	Perkins st.	Public.	50	450	..
Mt. Vernon	Perkins st.	Broadway	Public.	40	600	..
Monroe	Walnut st.	High st.	Public.	40	375	..
Murdock	Cedar st.	Clyde st.	Private.	30	..	900
Murray	Washington st.	Southerly	Private.	30	..	250
Museum	Beacon st.	Cambridge line	Private.	40	..	170
Myrtle ct.	Myrtle st.	Easterly	Private.	10	..	100
Myrtle	Washington st.	Perkins st.	Public.	40	1,400	..
Mystic ave.	Charlestown line	Union st.	Public.	60	350	..
Mystic ave.	Union st.	Medford line	Public.	66	6,900	..
Mystic	Washington st.	Somerville ave.	Public.	40	360	..
Mystic	Benedict st.	Mystic ave.	Private.	40	..	330
Nashua	Richardson st.	B. & L. R. R.	Private.	35	..	640
Nevada ave.	Village st.	Hanson st.	Private.	20	..	200

* Proposed.

APPENDIX F. — *Continued.*

STREET.	FROM.	TO.	Public or Private.	Width in Feet.	LENGTH.	
					Public.	Private.
Newberne	Appleton st.	Morrison st.	Private.	40	..	200
Newbury	Holland st.	Cambridge line	Public.	40	1,250	..
Newman place	Cedar st.	Southeasterly	Private.	10+	..	100
Newton place	Newton st.	Easterly	Private.	about 10	..	100
Newton	Webster ave.	Concord ave.	Public.	40+	650	..
Norfolk	Webster ave.	Cambridge line	Public.	40	200	..
North	Broadway	Medford line	Public.	40	2,550	..
North Union	Mystic ave.	Northeasterly	Private.	30	..	600
Norton	Nashua st.	Southeasterly	Private.	20	..	200
Norwood ave.	Broadway	Medford st.	Public.	40	350	..
Oak	Prospect st.	Angle	Public.	40	670	..
Oak	Angle	Cambridge line	Private.	30	..	530
Oak St. place	Oak st.	Northerly	Private.	4	..	85
Oakland ave.	Marshall st.	School st.	Public.	40	440	..
Olive ave.	Linden ave.	Southeasterly	Private.	25	..	155
Olive sq.	Lake st.	Southerly	Private.	about 15	..	100
Oliver	Franklin st.	Cross st.	Public.	40	1,050	..
Orchard	Cambridge line	Meacham st.	Public.	40	1,625	..
Osgood	Granite st.	East'ly & West'ly	Private.	40	..	450
Otis	Cross st.	Wigglesworth st.	Public.	40	1,200	..
Oxford	School st.	Central st.	Private.	30+	..	1,330
Oxford	Beacon st.	Cambridge line	Public.	50	100	..
Packard ave.	Broadway	Medford line	Private.	60	..	2,000
Palmer ave.	Franklin st.	Northwesterly	Private.	20	..	200
Park ave.	Elm st.	Wallace st.	Public.	40	450	..
Park place	Laurel st.	Easterly	Private.	30	..	220
Park place	Park pl.	Northeasterly	Private.	20	..	150
Park	Somerville ave.	Beacon st.	Public.	50	1,300	..
Parker place	Porter st.	Northwesterly	Private.	20	..	150
Parker	Washington st.	Fremont ave.	Private.	35	..	200
Partridge ave.	Vernon st.	Broadway	Public.	40	1,457	..
Patten ct.	Cutter st.	Southeasterly	Private.	8	..	100
Paulina	Broadway	Holland st.	Private.	40	..	775
Pearl	Crescent st.	Mt. Vernon st.	Public.	40	300	..
Pearl	Mt. Vernon st.	Franklin st.	Public.	50	950	..
Pearl	Franklin st.	Cross st.	Public.	40	1,025	..
Pearl	Cross st.	Medford st.	Public.	50	2,475	..
Pearl St. place	Pearl st.	Northeasterly	Private.	20	..	200
*Pearson ave.	Morrison ave.	Boston ave.	Private.	45	..	1,300
Pembroke ct.	Pembroke st.	Southwesterly	Private.	25	..	130
Pembroke	Central st.	Sycamore st.	Private.	40	..	440
Perkins place	Perkins st.	Northeasterly	Private.	20	..	200
Perkins	Franklin st.	Charlestown line	Public.	40	1,350	..
Pinckney place	Pinckney st.	Southeasterly	Private.	24	..	125
Pinckney	Washington st.	Perkins st.	Public.	40	1,170	..
Pitman	Beech st.	Spring st.	Private.	30	..	380
Pitman	Spring st.	Belmont st.	Private.	26	..	390
Pleasant ave.	Walnut st.	Vinal ave.	Public.	40	470	..
Poplar ct.	Poplar st.	Southeasterly	Private.	10	..	80
Poplar	Somerville ave.	Linwood st.	Private.	30	..	350
Poplar	Linwood st.	Joy st.	Private.	35	..	300
Porter ave.	Porter st.	Northwesterly	Private.	20	..	220
Porter place	Porter st.	Northwesterly	Private.	20	..	195
Porter	Elm st.	Mountain ave.	Public.	45	1,530	..
Porter	Mountain ave.	Highland ave.	Public.	40	425	..
Prescott	Summer st.	Highland ave.	Public.	50	1,050	..
Preston	School st.	Summer st.	Public.	40	800	..
Professors row	College ave.	Curtis st.	Private.	40	..	1,900
Propect	Washington st.	Cambridge line	Public.	50	2,050	..
Prospect Hill ave.	Medford st.	High st.	Public.	40	450	..
Prospect place	Prospect st.	E. Newton st.	Private.	20	..	130

* Proposed.

APPENDIX F. — *Continued.*

STREET.	FROM.	TO.	Public or Private.	Width in Feet.	LENGTH.	
					Public.	Private.
Putnam	Summer st.	Highland ave.	Public.	50	1,240	..
Quincy	Somerville ave.	Summer st.	Public.	40	700	..
Randolph place	Cross st.	Westerly	Private.	15	..	244
Raymond ave.	Curtis st.	North st.	Public.	40	1,345	..
Record's place	Broadway	Southwesterly	Private.	10	..	110
Reed's ct.	Oliver st.	Southwesterly	Private.	20	..	105
Remick ct.	Cutter st.	Southeasterly	Private.	10	..	100
Richardson	Lowell st.	Lawrence st.	Private.	35	..	480
Richdale ave.	School st.	Sycamore st.	Public.	40	875	..
Richmond h' h'ds	Madison st.	Southerly	Private.	30	..	150
Roberts	Lawrence st.	Northwesterly	Private.	20	..	170
Robinson	Central st.	Bartlett st.	Public.	40	582	..
Rogers ave.	Morrison ave.	Broadway	Private.	45	..	1,700
Roseland	Beacon st.	Cambridge line	Public.	40	100	..
Rossmore	Somerville ave.	Washington st.	Private.	40	..	525
Rush	Broadway	Flint st.	Public.	40	1,400	..
Russell	Elm st.	Cambridge line	Public.	40	700	..
Sacramento	Somerville ave.	Cambridge line	Private.	40	..	600
Sanborn ave.	Warren ave.	Walnut st.	Public.	40	280	..
Sargent ave.	Broadway	Mills st.	Public.	40	522	..
Sartwell ave.	Cedar st.	Cherry st.	Private.	35	..	400
Sawyer ave.	Packard ave.	Curtis st.	Private.	40	..	690
School	Somerville ave.	Highland ave.	Public.	40	1,870	..
School	Highland ave.	Broadway	Public.	50	2,500	..
Sellon place	Marshall st.	Northwesterly	Private.	12	..	120
Sewall ct.	Sewall st.	Southwesterly	Private.	25	..	190
Sewall	Grant st.	Temple st.	Public.	40	615	..
Shawmut place	Shawmut st.	Alston st.	Private.	30	..	200
Shawmut	Washington st.	Cross st.	Public.	40	550	..
Shedd	Somerville ave.	Merriam ave.	Private.	40	..	310
Sherman place	Sargent ave.	Marshall st.	Private.	10	..	250
Sherman	Somerville ave.	Frost ave.	Private.	35	..	270
Sibley ct.	Cutter st.	Northwesterly	Private.	10	..	100
Sibley place	Cutter st.	Northwesterly	Private.	10	..	100
Simpson ave.	Broadway	Holland st.	Private.	40	..	825
Skehan	Dane st.	Durham st.	Private.	30	..	720
Smith ave.	Beacon st.	Line st.	Private.	25+	..	200
Snow place	Belmont st.	Easterly	Private.	30	..	160
Snow place	Snow pl.	Northerly	Private.	25	..	100
Snow terrace	Jaques st.	Southwesterly	Private.	16	..	120
Somerville ave.	E. Cambridge line.	Union sq.	Public.	75	2,300	..
Somerville ave.	Union sq.	N. Cambridge line	Public.	70	8,800	..
South	Medford st.	Westerly	Private.	30	..	940
*Southwick ave.	Morrison ave.	Boston ave.	Private.	40	..	990
Spring ct.	Somerville ave.	Westerly	Private.	20	..	200
Spring	Somerville ave.	Summer st.	Public.	40	1,200	..
Springfield	Concord ave.	Cambridge line	Public.	40	800	..
Stanford terrace	Beacon st.	Northeasterly	Private.	20	..	200
Stickney ave.	Marshall st.	School st.	Private.	40	..	450
Stiles	Cameron ave.	Cambridge line	Private.	40	..	200
St. James ave.	Elm st.	Summer st.	Public.	40	488	..
Stone ave.	Union sq.	Columbus ave.	Public.	40	676	..
Stone place	Stone ave.	Southeasterly	Private.	30	..	145
Summer	Bow st.	Elm st.	Public.	45	7,700	..
Summit ave.	Walnut st.	Vinal ave.	Public.	45	470	..
Summit	Elm st.	Billingham st.	Public.	40	262	..
Sumner	Lawrence st.	Northwesterly	Private.	20	..	175
Sunnyside ave.	Walnut st.	Wigglesworth st.	Private.	35	..	250
Sycamore	Broadway	Medford st.	Public.	45	1,250	..
Sycamore	Medford st.	Richdale ave.	Private.	40	..	550

* Proposed.

APPENDIX F. — *Continued.*

STREET.	FROM.	TO.	Public or Private.	Width in Feet.	LENGTH.	
					Public.	Private.
Sycamore	Richdale ave.	Highland ave.	Private.	33	..	800
Sidney	Wheatland st.	Temple st.	Private.	40	..	925
Talbot ave.	Packard ave.	College ave.	Private.	50	..	1,409
Taunton	So. Wyatt st.	Easterly to angle	Private.	30	..	170
Taunton	Angle	Marion st.	Private.	20	..	95
Taylor place	Somerville ave.	Southerly	Private.	15	..	200
Taylor	Mystic ave.	Sidney st.	Private.	40	..	310
Temple	Broadway	Mystic ave.	Public.	66	1,540	..
Tenney ct.	Mystic ave.	Northeasterly	Private.	30	..	400
Tennyson	Forster st.	Medford st.	Public.	40	469	..
Tennyson	Medford st.	Pembroke st.	Private.	40	..	400
Thorndike	Holland st.	Kingston st.	Private.	40	..	580
Thorpe place	Highland ave.	Southwesterly	Private.	30	..	450
Thurston	Broadway	Richdale ave.	Public.	40	1,660	..
Tower ct.	Tyler st.	Northeasterly	Private.	25	..	150
Tower	Crown st.	Highland ave.	Private.	40	..	550
Tremont place	Tremont st.	Southeasterly	Private.	about 10	..	75
Tremont	Webster ave.	Cambridge line	Public.	40	589	..
Trull	Vernon st.	Medford st.	Public.	40	1,050	..
Trull lane	Highland ave.	Oxford st.	Private.	15	..	200
Tube Works ct.	Somerville ave.	Southwesterly	Private.	20	..	150
Tufts	Washington st.	Cross st.	Public.	40	940	..
Tyler	Vine st.	Dane st.	Public.	40	404	..
Union	Broadway	Mystic ave.	Public.	40	330	..
Union place	Linwood st.	Southwesterly	Private.	10	..	100
Veazie	Walnut st.	Bradley st.	Private.	40	..	650
Vernon	Central st.	Jenny Lind ave.	Public.	40	740	..
Vernon	Jenny Lind ave.	Lowell st.	Private.	30	..	600
Villa ave.	Winslow ave.	Arlington B. R. R.	Private.	35	..	200
Village	Dane st.	Vine st.	Private.	25	..	370
Vinal ave.	Summer st.	Highland ave.	Public.	45	1,400	..
Vinal	Richardson st.	Northeasterly	Private.	20	..	200
Vine ct.	Vine st.	Northwesterly	Private.	25	..	140
Vine	Somerville ave.	Hanson st.	Private.	40	..	780
Vine	Hanson st.	Beacon st.	Private.	25	..	650
Virginia	Aldrich st.	Jasper st.	Public.	40	405	..
Wade ct.	Cedar st.	Westerly	Private.	20	..	180
Waldo	Highland ave.	Hudson st.	Public.	40	287	..
Wallace	Holland st.	Broadway	Public.	40	1,350	..
Walnut	Bow st.	Broadway	Public.	40	3,830	..
Walter place	Walter st.	Southwesterly	Private.	40	..	222
Walter	Walnut st.	Bradley st.	Private.	40	..	548
Ward	Medford st.	Earl st.	Private.	30	..	610
Warren ave.	Union sq.	Columbus ave.	Public.	40	650	..
Warren	Medford st.	Cambridge line	Private.	30	..	100
Warwick ave.	Warwick st.	Northeasterly	Private.	15	..	150
Warwick	Cedar st.	Warwick ave.	Public.	40	665	..
Washington ave.	Washington st.	Northerly	Private.	18	..	350
Washington	Charlestown line	Franklin ave.	Public.	75	1,060	..
Washington	Franklin ave.	Fitchburg R. R.	Public.	60 to 100	3,870	..
Washington	Fitchburg R. R.	Cambridge line	Public.	60	2,380	..
Water	South st.	Northerly	Private.	25	..	250
Waverly	Washington st.	Southerly	Private.	35	..	200
Ware	Curtis st.	Northwesterly	Private.	40	..	700
Webster ave.	Union sq.	Cambridge line	Public.	49.5	1,950	..
Webster	Franklin st.	Cross st.	Public.	40	1,000	..
Wellington ave.	Walnut st.	Montgomery ave.	Public.	40	215	..
Wellington ave.	Montgomery ave.	Easterly	Private.	40	..	85
Wesley pk.	Wesley sq.	Northeasterly	Public.	40	405	..

* Proposed.

APPENDIX F. — *Concluded.*

STREET.	FROM.	TO.	Public or Private.	Width in Feet.	LENGTH.	
					Public.	Private.
Wesley	Pearl st.	Northeast to angle	Private.	40	..	350
Wesley	Angle	Otis st.	Private.	30	..	165
West	Broadway	Heath st.	Private.	30	..	250
West	Hawthorne st.	Arlington B. R. R.	Private.	30	..	590
Westminster	Broadway	Electric ave.	Private.	40	..	376
Weston ave.	Clarendon ave.	Broadway	Private.	40	..	525
Westwood road	Central st.	Benton ave.	Public.	40	487	..
Wheatland	Broadway	Jaques st.	Public.	40	495	..
Wheatland	Jaques st.	Mystic ave.	Private.	40	..	855
Wheeler	Pinckney st.	Mt. Vernon st.	Private.	40	..	269
Whipple	Hawthorne st.	Arlington B. R. R.	Private.	30	..	575
White	Elm st.	Cambridge line	Private.	20	..	300
White St. place	White st.	Southeasterly	Private.	20	..	200
Wigglesworth	Bonair st.	Pearl st.	Private.	40	..	740
William	Chandler st.	Elm st.	Public.	40	381	..
Williams ct.	Porter st.	Northwesterly	Private.	30	..	150
Willoughby	Central st.	Sycamore st.	Private.	30	..	400
Willow ave.	Elm st.	Broadway	Public.	50	3,440	..
Willow place	Cambridge line.	South st.	Private.	25	..	150
*Willowdale	Willow ave.	Easterly	Private.	40	..	550
Wilson ave.	Broadway	B. & L. R. R.	Private.	20	..	310
Wilton	Lowell st.	Lawrence st.	Private.	35	..	470
Windom	Elm st.	Summer st.	Public.	40	300	..
Winslow ave.	Elm st.	Grove st.	Public.	40	514	..
Winslow ave.	Grove st.	Clifton st.	Private.	40	..	572
Winter	Elm st.	Holland st.	Private.	30	..	430
Winter Hill cir.	Broadway	Northeasterly	Private.	25	..	177
Winthrop ave.	Broadway	Mystic ave.	Public.	50	1,170	..
Woodbine	Centre st.	Lowell st.	Private.	30	..	600
*Woods ave.	North st.	Alewife Brook	Private.	40	..	1,350
Wyatt ct.	South Wyatt st.	Westerly	Private.	13	..	200
Wyatt (South)	Concord ave.	Northerly	Private.	40	..	400
Wyatt (North)	Washington st.	Southerly	Private.	40	..	350
York terrace	Central st.	Harvard pl.	Public.	40	267	..
Total . . .	. . . . .	. . . . .	. . . . .	. . . . .	274,240	173,226

Public, 51.9 miles; private, 32.8 miles.

* Proposed.

APPENDIX G.

ORDINANCE REGULATING CITY ENGINEER'S DEPARTMENT.

Duties of
committee
on city en-
gineering.

SECTION 1. The Committee on City Engineering shall have the care and supervision of the City Engineer's department, and the appointment and discharge of all assistants employed therein shall be with its approval, and it shall fix the compensation of every such assistant.

City engi-
neer, how
elected.
Char., § 12.

SECT. 2. The Mayor and Aldermen shall annually, as soon after their organization as practicable, appoint a city engineer, who shall hold his office for the term of one year, unless sooner removed. He shall be removable at the pleasure of the mayor and aldermen, and a vacancy may be filled at any time for the unexpired term. He shall receive such compensation as the City Council may determine.

General
duties of
city engi-
neer.

SECT. 3. He shall be at the head of the department of city engineering, and shall exercise a general supervision of all matters within said department. He shall be consulted in relation to public improvements of every kind, where the advice of a Civil Engineer would be of service. He shall have the charge, under the direction and control of the Committee on City Engineering, of all plans of every kind, not especially belonging to other departments, and shall keep the same properly classified and indexed; and he may make such rules and regulations concerning the taking of plans from his office as he may deem necessary to insure their safety.

Location of
water-
pipes,
plans, etc.

SECT. 4. He shall, under the direction of the Water Board, have general supervision of the location of all water-pipes in the city, and shall make and keep on file in his office accurate plans of the same, said plans to be carefully preserved for future reference.

Surveys,
etc., to be
made by city
engineer.

SECT. 5. He shall, either by himself or his assistants, make such surveys, plans, profiles, estimates, and descriptions

as may be required of him by the Mayor, either branch of the City Council, or any committee thereof; and he shall perform all other such services, and impart such information concerning any department of the city's affairs, properly relating to the office of City Engineer, as may be required of him by the Mayor, either branch of the City Council, or any committee, board, or officer thereof.

SECT. 6. He shall take charge of all plans and surveys relating to the laying out, widening, extending, or grading of streets, and the establishing of correct lines for the same, and of all such structures and public works of the city as the City Council or any committee thereof may direct; and under their direction he shall prepare all plans and specifications for the same, and shall prepare, or cause to be prepared, all contracts that they may require, said specifications and contracts to be approved by the City Solicitor; *provided*, that nothing in this section shall be so construed as to authorize him to interfere with existing departments or boards of officers, or with any that may hereafter be established, whose duties may be clearly defined.

City engineer to have charge of plans, etc., for laying out, etc., of streets.

SECT. 7. He shall give to all applicants, so far as the files and records of his office will permit, any information they may desire as to the lines and grades of streets on which their estates are situated, or upon which they intend to build; and all information of this character furnished to owners of estates, or persons representing them, or to those intending to build, shall be without charge.

City engineer to furnish information in possession of his department.

APPENDIX H.

ORDINANCE RELATING TO SEWER DEPARTMENT.

SECTION 1. Main drains or common sewers, which shall be ordered by the Board of Aldermen to be made, shall be laid in such places and manner, and shall be made of such materials and dimensions, as the Committee on Sewers shall

Common sewers. P. S., c. 50, § 1.

direct, unless the Mayor and Aldermen specially determine otherwise.

To be laid
only by
city.

Every sewer or drain, laid in any land, or street, or way, public or private, opened, or proposed to be opened, for public travel and accommodation, for the purpose of draining more than one estate, shall be deemed to be a common sewer, and no such common sewer shall be laid or connected with any existing common sewer, except by the city. No person shall cut into, interfere with, or obstruct a main drain or common sewer, or shall enter, or attempt to enter, a private or other drain or sewer therein, or into any private drain connecting with any main drain or common sewer, except in accordance with a permit in writing from the City Engineer.

Land taken
for sewers.
P. S., c. 50,
§ 2.

SECT. 2. When land is taken for the purpose of constructing a main drain or common sewer, the proceedings shall be the same as provided in chapter fifteen of these ordinances in regard to the laying out of streets or ways in the city.

Entrance of
private
drains into
main
drains.

SECT. 3. Said committee shall have full power to direct and control the places and manner of entering all private drains into such main drains or common sewers.

Committee
on sewers.

SECT. 4. The Committee on Sewers shall have the direction and control, subject to the orders of the Board of Aldermen, of all the main drains and common sewers of the city, and of the construction, maintenance, repairs, and use of the same.

City engi-
neer to
supervise
construc-
tion, etc., of
drains.

The City Engineer, under the direction of the Committee on Sewers, shall have the supervision and control of the construction, alteration, repairs, and maintenance of such drains and sewers, and all appurtenances thereto and connections therewith; and when sewers are constructed he shall cause accurate plans thereof to be made, representing their location, depth, and materials, with a "section plan" of each sewer, indicating its size, shape, thickness, and construction,

and he shall cause to be shown by said plans all existing connections with said sewers, and all future connections as they are made.

The location of all catch-basins shall be under the direction of the City Engineer.

The City Engineer and Clerk of the Committee on Sewers shall, on the last day of each calendar week, prepare pay-rolls made up to the end of such week, of all employees in the Sewer Department required by law to be paid weekly, and present the same to the Chairman of the Committee on Sewers for approval, and on the last day of each month (or as soon as practicable, not exceeding four days thereafter) shall prepare pay-rolls for other labor and materials purchased in the Sewer Department, and present the same with the bills to the Committee on Sewers.

Pay-rolls of
sewer de-
partment.
St. 1887, c.
399.

SECT. 5. Whenever any street is opened for the laying of pipes for water, gas, or other purposes, or for the prosecution of any works of construction, such laying of pipes and the work connected therewith, or such work of construction, shall be so executed as not to obstruct in any way the course, capacity, or construction of a common sewer; and whenever pipes for any purpose or any work of construction are found to exist at such a depth or in such a location as to interfere with any existing sewer, or with the building of any common sewer of the required size and at the proper depth and grades, the department, corporation, or person maintaining the same shall, upon notice thereof, at once remove, change, or alter said pipe or pipes, or other works, in such manner as the City Engineer may direct. If such department, corporation, or person neglects to comply immediately with the terms of such notification, the City Engineer may make such removal, change, or alteration, and the cost thereof shall be paid by such department, corporation, or person.

Opening of
streets for
gas-pipes,
water-pipes,
etc.

SECT. 6. The Committee on Sewers shall keep an accurate account of the cost of each main drain or common sewer constructed, and make report thereof to the Board of Aldermen.

Committee
on sewers to
keep ac-
count of
cost, and re-
port.

Sewer assessments to be made by board of aldermen. P. S., c. 50 § 4.

SECT. 7. The Board of Aldermen shall make assessments for all main drains or common sewers heretofore constructed or reconstructed by the city, the expenses of which have not already been assessed and collected, in the same manner as for those which may hereafter be constructed; and the City Engineer shall render all the services and perform all the duties in regard to the main drains or common sewers heretofore constructed, the expenses of which have not already been assessed and collected, which he is required to render and perform in regard to those hereafter to be constructed.

Apportionment of sewer assessments. P. S., c. 50, § 11.

SECT. 8. In making assessments for constructing or repairing main drains or common sewers, the Board of Aldermen may deduct from the expenses such part as they may deem expedient, to be charged to, and paid by, the city, and shall apportion and assess the remainder, or the whole, if no deduction be made, upon the persons and estates benefited by the main drains or common sewers, either by the entry of their drains thereinto, or by any more remote means, and shall prescribe when such assessment shall be paid.

Sewer assessments to be given to collector for collection. P. S., c. 50, § 5.

SECT. 9. The Board of Aldermen shall deliver a list of such assessments, when made, to the Collector of Taxes, for collection, who shall forthwith, in writing, demand the same of the parties liable, and proceed in the collection thereof, in the manner prescribed by law.

Size, materials, etc., of drains. P. S., c. 80, § 12.

SECT. 10. Every drain which enters into any common sewer in any street shall be built of such size and materials, in such direction, at such grade, and in such manner as shall be satisfactory to the Committee on Sewers, and with a due observance of all regulations of the Board of Health, so far as applicable thereto; and every opening into such common sewer for the purpose of connecting a drain therewith, and the repairs of every drain laid from any house, building, cellar, or land to such common sewer, and every opening into such drain, and all openings and excavations in any street for the purpose of constructing or repairing any private drain,

Drain layers to be

shall be made by a person licensed in writing for that purpose^{licensed. P. S., c. 50, § 12.} by the Board of Aldermen, and by no other person.

All licenses under this chapter shall expire on the first day of May annually, unless sooner revoked by the Board of Aldermen.

SECT. 11. Any person licensed as provided in the pre-^{Require-ments of drain layers. P. S., c. 50, § 13.}ceding section shall, before performing any work authorized thereby, execute a bond to the city, in such sum as the Board of Aldermen may prescribe, with one or more sureties, satisfactory to them, conditioned that he will properly make the openings into all common sewers opened by him; that he will construct or repair the drains to be connected by him with the common sewers or with other drains, in a thorough and workmanlike manner; that he will leave no material or obstruction of any description in the sewer which he may open, or in any drain leading into any sewer; that he will properly close up the excavation, and restore the earth and pavement taken up, and regrade and repave the street, and put it in good and proper condition, and remove all superfluous material, all to the satisfaction of the superintendent of streets; and if he fails so to do, or if at any time within one year from the date of the completion of any drain, the surface of the street shall settle or otherwise become unsafe for public travel, then the Superintendent of Streets shall repave and regrade the street at the expense of the said drain layer, and within five days thereafter deliver a bill of the same to the treasurer for collection, and said drain layer shall immediately pay the same, and he shall not be entitled to receive another permit until the said bill and all other bills of expense incurred by the city on account of his negligence or default, shall be paid in full; also, that he will cause a sufficient fence to be placed so as to enclose the excavation, and the earth, stone, and other materials which may be put into the street, and that he will maintain such fence during the whole time such excavation, earth, or other material may obstruct the street, and will cause a sufficient number of lighted lanterns to be maintained in suitable places over such

excavation, earth, material, and fence, from the beginning of twilight every evening and through every night during the time such obstruction in the street may exist; and, further, that he will comply with the ordinances which may be at any time in force in relation to sewers, drains, and streets, and with such orders and regulations as the Board of Aldermen have adopted, or may from time to time adopt, for the government of persons licensed to construct or repair private drains, or open or dig in the streets for that purpose; and that he will indemnify and save harmless the city from all damages, costs, and expenses which it may incur or sustain, by reason of any and all injuries resulting to any one in person or property, from the neglect or carelessness of himself or his servants in opening, closing, making, or repairing any sewer or drain, in performing work connected therewith, or in properly fencing, or in lighting by night any excavation or obstruction caused or made by him or his servants, or which the city may incur or sustain in any manner by reason of the excavation or construction of any sewer or drain by him or his servants or agents, or any work or acts performed or done by him or them connected therewith.

No licensed drain layer shall perform any piece of work such as is specified in section ten of this ordinance, without first obtaining a written permit therefor from the City Engineer; and he shall in all cases comply with every condition of such permit.

Penalty for
employing
unlicensed
drain
layer.

SECT. 12. Whoever shall employ any person not licensed to lay private drains in this city, to perform any work such as is specified in section ten of this ordinance, shall be liable for all damages caused by such person, as well as to the penalty hereinafter provided.

Owners of
private
drains not to
be exempt
from assess-
ment for
common
sewers.

SECT. 13. Any real estate, to the owner or owners of which permission has been or may be given to construct private drains for such estate, shall not by the construction of such private drains be exempted from any assessment lawfully imposed for constructing common sewers in the same vicinity.

SECT. 14. No drain connecting with a common sewer, ^{Drain sub-} subject to the action of the tide-water, shall be constructed ^{ject to the} without a plug or clapper to prevent completely the reflux ^{action of the} of ^{tide to have} drainage matter, storm or tide-waters. ^{plug or} ^{clapper.}

SECT. 15. No exhaust from steam-engines and no blow-^{Exhaust} ^{blow-off.} off from steam-boilers shall be connected with any common sewer or private drain.

SECT. 16. No person shall place or deposit in any catch-^{Penalty for} ^{interfering,} basin any animal or vegetable matter, solid or liquid, or any ^{etc., with} ^{sewer.} other filthy substance, or any solid matter of any kind.

SECT. 17. Any person who shall violate any of the pro-^{Penalty for} ^{violation of} visions of this ordinance shall be liable to a penalty of not ^{ordinance.} more than twenty dollars.

REPORT
OF THE
COMMITTEE ON FIRE DEPARTMENT.

CITY OF SOMERVILLE.

IN BOARD OF ALDERMEN, January 30, 1895.

Referred to Committee on Printing, to be printed in the Annual Reports.
Sent down for concurrence.

GEORGE I. VINCENT, *Clerk.*

IN COMMON COUNCIL, January 30, 1895.

Referred to Committee on Printing, to be printed in the Annual Reports,
in concurrence.

CHARLES S. ROBERTSON, *Clerk.*

CITY OF SOMERVILLE.

IN COMMITTEE ON FIRE DEPARTMENT, }
January 1, 1895. }

TO THE CITY COUNCIL OF SOMERVILLE : —

The Committee on Fire Department presents the following report for the year 1894 : —

The manual force of the department consists of one hundred and two men, including the Chief and assistant engineers, and the acting call ladder-men on Ladder Company No. 2, who have not as yet received full appointment.

The apparatus in service consists of three steam fire engines — one of which is held in reserve, two ladder trucks, five hose wagons, one combination chemical and hose wagon, and one chemical engine ; one ladder truck and the chemical engine being additional apparatus purchased and placed in active service during the year by authority of the City Council. The chemical engine was purchased in pursuance of an order dated March 28, 1894, of S. F. Hayward & Co., for the sum of \$1,825, and was received and placed in active service July 1, 1894. Its value to the city and citizens has on several occasions been clearly demonstrated, the fires in a number of houses having been extinguished by the chemical engine alone, thereby preventing large losses which would have occurred had the houses been flooded with water.

The ladder truck was purchased in pursuance of an order dated June 13, 1894, of the Combination Ladder Co., for the sum of \$2,250, and was received and placed in service December 1. The truck purchased is what is known as the "Seagrave Truck," the truck itself and all the ladders being trussed ; they are therefore made lighter, and con-

sequently easier to handle and operate. The workmanship of the whole apparatus is first class, and your committee believes it to be a valuable addition to the department.

LAND FOR ENGINE HOUSE, WARD ONE.

In pursuance of an order, dated March 28, 1894, there was purchased of Frank Jones and George H. Goodwin, trustees, a lot of land at the corner of Broadway and Franklin street extension, containing eight thousand, two hundred and seventy-nine feet, for the sum of \$6,000.

CENTRAL FIRE STATION.

Under authority of orders of the City Council, dated March 28, May 23, and June 13, plans prepared by Aaron H. Gould, architect, were accepted for the Central Fire Station, proposals received and contracts awarded to George M. Starbird for its construction, for the sum of \$24,875, and to the Smith & Anthony Co. for heating, for the sum of \$993.

Work was begun under the contract the last of May, and the building was completed December 31, although it was to have been finished December 1. The delay was occasioned by the putting in of a granite foundation instead of blue stone, the committee considering the granite preferable to blue stone, the change being secured at no extra cost to the city.

The committee is of the opinion that the city has in its Central Fire Station a building surpassed by none for the purpose designed. It is as strongly and substantially built as any ever built within the city limits, and is commodious and convenient in its arrangement. It is designed not only for the immediate wants of the department, but also for its future needs. Ample facilities for growth in the demands of the fire-alarm system are provided in the arrangement of the battery and the battery room, which are estimated sufficient for the next fifty years.

By an order, dated June 13, the committee was authorized to purchase a new fire-alarm repeater, galvometers, and other apparatus connected therewith; to change the number of fire-alarm circuits;

and also purchase a new bell, furniture, etc., for the new station. Acting under said order a new eight-circuit repeater was purchased of the Gamewell Fire Alarm Co., the fire-alarm circuits were increased from three to six, and a new bell weighing three thousand and forty-two pounds was purchased of the Blake Bell Co., and placed in the tower of the new station.

HOOK AND LADDER STATION.

By authority of orders, dated March 28, May 23, and June 13, plans prepared by Loring & Phipps, architects, were accepted for a Hook and Ladder Station, on Highland avenue, proposals received, and contracts awarded to George M. Starbird for its construction, for the sum of \$9,541.96, and to Albert B. Franklin for heating apparatus for the sum of \$494. The construction of the building was begun the first of June, and was completed November 25.

Both the Central Fire Station and Hook and Ladder Station were occupied and used by the department as soon as completed.

FIRE-ALARM BOXES.

Now that ample provision has been made for the fire-alarm battery, your committee would recommend the purchase of a reasonable number of new fire-alarm boxes, to be distributed over the city. A prompt alarm insures a promptness in reaching a fire, which is impossible unless fire-alarm boxes are within easy reach of every one.

FIRE-ALARM TELEGRAPH.

The experience of the past year in the matter of the care and custody of the fire-alarm telegraph leads your committee to recommend that it be placed entirely in the hands of the Committee on Fire Department and the Chief Engineer, and that they be held responsible therefor. Divided authority is not desirable in such an important matter, and it would seem by comparison of the expenses of this year and those of 1892, that considerable saving could be made.

BUILDINGS.

The old buildings used by the department have all been repaired, and some have been painted inside and out. A new floor, or part of a new floor, was put into the stable used by Hook and Ladder Co. No. One, on Washington street, as there was danger of the horses falling through. We especially call the attention of the City Council to this building, which is entirely out of date, and is not adapted to the wants of the department of to-day. It is the most important fire station in the city, as it is surrounded by more valuable taxable property than any other station. The large buildings in Union square, the churches and schools in the immediate vicinity, the millions of dollars worth of property of the North Packing & Provision Co., John P. Squire & Co., N. E. Dressed Meat & Wool Co., the Fitchburg railroad freight yard, the Union Glass Co., the several oil companies, and other large establishments near by, and on the other side of Union square, the American Tube Works and Middlesex Bleachery are all within the fire limits of this station.

A proper protection of this valuable area not only requires but demands that a steam fire engine be placed in or near Union square. Your committee would therefore recommend that a new fire station be built to accommodate a steam fire engine, hose wagon, and ladder truck, and would suggest that it be erected on the site now occupied by the Prospect Hill School.

HYDRANTS.

The recommendations of the committee of last year in the matter of hydrants, are respectfully referred to you for your consideration.

In conclusion, we submit as the wants of the fire department for the coming year the following :

- New fire-alarm boxes.
- New fire station, Ward One.
- New fire station in Union square.
- More hydrants.

The appropriation for fire department for the year 1894, was \$43,000; the amount paid out was \$48,091.13; amounts expended, over appropriation and credits, \$4,961.74.

In the appropriation no provision was made for the new men and apparatus placed in active service during the year. The salaries of the new men alone amounted to \$1,200.

The bills left over from 1893, in accordance with custom, were considerably more than \$3,000, but it was thought best by the committee, and His Honor, the Mayor, to pay all outstanding bills and leave the new committee, as far as possible, free from incumbrances.

A detailed statement of appropriations, receipts, and expenditures is submitted herewith.

FIRE DEPARTMENT ACCOUNT.

CREDIT.

Appropriation	\$43,000.00	
Receipts :		
Rebate on telephone rentals	43.75	
For manure sold	19.00	
copper and zinc	66.64	
	<hr/>	
Total credit		\$43,129.39

DEBIT.

Expenditures :

For salaries of permanent men	\$18,004.40	
salaries of call men	8,449.12	
substitute drivers	2,325.22	
improvements and repairs of ap- paratus and vehicles	846.17	
new vehicles and apparatus	190.00	
improvements and repairs of buildings and furniture, and new furniture	2,113.10	
	<hr/>	
<i>Amounts carried forward</i>	\$31,928.01	\$43,129.39

<i>Amounts brought forward</i>	.	.	\$31,928.01	\$43,129.39
fire-alarm telegraph	.	.	3,571.74	
hose and repairing hose	.	.	1,261.10	
supplies	.	.	156.84	
new horses	.	.	940.00	
grain and feed	.	.	880.92	
hay and straw	.	.	1,610.04	
washing and ironing	.	.	221.48	
fuel	.	.	1,040.53	
harnesses and repairing same	.	.	387.86	
horseshoeing	.	.	568.36	
water	.	.	3,359.00	
gas	.	.	662.82	
ice	.	.	80.00	
insurance	.	.	447.50	
hand fire extinguishers	.	.	80.99	
horse medicine and doctoring	.	.	120.50	
telephones	.	.	90.35	
incidentals	.	.	683.09	
				<hr/>
Total debit	.	.		\$48,091.13
				<hr/>
Amount overdrawn	.	.		\$4,961.74
				<hr/> <hr/>

FIRE DEPARTMENT.—LAND FOR FIRE STATION, WARD
ONE, ACCOUNT.

CREDIT.

Appropriation	\$6,000.00
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DEBIT.

Expenditure :

For land corner Broadway and Franklin street	.	\$6,000.00
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FIRE DEPARTMENT.—CENTRAL FIRE STATION, BRASTOW
SCHOOL LOT, ACCOUNT.

CREDIT.

Appropriation	\$26,000.00
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DEBIT.

Expenditures :

George M. Starbird, on account contract	\$20,000.00
Aaron H. Gould, architects' ser- vices	921.87
For water service	91.00
iron work	11.30
gilding vane	39.78
constructing driveway	1,222.48

Total expenditures	\$22,286.43
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Balance unexpended	\$3,713.57
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FIRE DEPARTMENT.—CENTRAL FIRE STATION, ELEC-
TRICAL APPARATUS AND FURNITURE, ACCOUNT.

CREDIT.

Appropriation	\$5,250.00
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DEBIT.

Expenditures :

For labor on fire-alarm system	\$687.51
fire-alarm wire and cable	271.30
jars, copper, etc.	204.15
fire-alarm bell	536.51
horse for use on fire-alarm system	90.00
landing pads for sliding poles	50.00
fire-alarm fixtures, etc.	266.85

Total expenditures	2,106.32
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Balance unexpended	\$3,143.68
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FIRE DEPARTMENT.—HOOK AND LADDER STATION,
HIGHLAND AVENUE, ACCOUNT.

CREDIT.

Appropriation	\$10,000.00
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DEBIT.

Expenditures :

George M. Starbird, on account contract	\$7,800.00
George M. Starbird, extra work	388.45
Loring & Phipps, architects' services	477.00
For water service	26.90
connecting gas	12.99
gas fixtures	72.00
electric wiring	77.60
concreting	218.08
grading	55.68
hardware	20.63
harness and door springs	63.00
taxes on land for 1893	20.15

Total expenditures	9,232.48
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Balance unexpended	\$767.52
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FIRE DEPARTMENT.—HOOK AND LADDER STATION,
HIGHLAND AVENUE, EQUIPMENTS AND FURNI-
TURE, ACCOUNT.

CREDIT.

Appropriation	\$3,750.00
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DEBIT.

Expenditures :

For ladder truck	\$2,250.00
horses	400.00

<i>Amounts carried forward</i>	\$2,650.00	\$3,750.00
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<i>Amounts brought forward</i>	\$2,650.00	\$3,750.00
harnesses and horse clothing	174.30	
heating apparatus	497.50	
fire-alarm gong and indicator	175.00	
hose washing machine	60.00	
furniture	162.20	
<hr/>		
Total expenditures		3,719.00
		<hr/>
Balance unexpended		\$31.00
		<hr/>

FIRE DEPARTMENT.—CHEMICAL ENGINE AND EQUIP-
MENTS, ACCOUNT.

CREDIT.

Appropriation	\$3,000.00
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DEBIT.

Expenditures :

For chemical engine	\$ 1,825.00
plate for engine	36.00
hose pipe	80.00
horses	325.00
harnesses	136.00
blankets	17.25
carpentering	46.43
water service	32.85

Total credit	2,498.53
<hr/>	
Balance unexpended	\$501.47

For the Committee,

FRANKLIN J. HAMBLIN, *Chairman.*
WILLIAM P. MITCHELL, *Clerk.*

REPORT
OF THE
CHIEF ENGINEER OF THE FIRE
DEPARTMENT.

CITY OF SOMERVILLE.

IN BOARD OF ALDERMEN, January 30, 1895.

Referred to Committee on Printing, to be printed in the Annual Reports. Sent down for concurrence.

GEORGE I. VINCENT, *Clerk.*

IN COMMON COUNCIL, January 30, 1895.

Referred to Committee on Printing, to be printed in the Annual Reports, in concurrence.

CHARLES S. ROBERTSON, *Clerk.*

CITY OF SOMERVILLE.

OFFICE OF CHIEF ENGINEER OF FIRE DEPARTMENT, }
January 1, 1895. }

TO THE COMMITTEE ON FIRE DEPARTMENT: —

Gentlemen: —I herewith present to you a report of the operations of the Fire Department for the year ending December 31, 1894.

The number of fire alarms during the year was one hundred and thirty-one, of which one hundred and eight were bell alarms and twenty-three were still alarms.

The total loss by fire was \$79,144, and the amount of insurance covering property was \$144,944.

MANUAL FORCE.

The manual force of the department consists of one hundred and two men; of this number twenty-two are permanent and eighty are call men. There are now nine vacancies in the call force.

The manual force of the department is distributed as follows:

One Chief Engineer

One Assistant Engineer

Engine Company No. 1	.	.	4	permanent and 10 call men.
Engine Company No. 4	.	.	6	" " 8 "
Ladder Company No. 1	.	.	2	" " 13 "
Ladder Company No. 2	.	.	2	" " 12 "
Hose Company No. 1	.	.	1	" " 9 "
Hose Company No. 2	.	.	1	" " 9 "
Hose Company No. 3	.	.	1	" " 9 "
Hose Company No. 5	.	.	1	" " 9 "
Chemical Company A	.	.	3	" " 0 "

OBITUARY.

During the year the department has lost one of its most faithful members, William A. Perry, who died of hemorrhage at Engine House No. 1, on November 1. He was driver of Engine No. 1, and had been a member of the department for ten years.

APPARATUS.

The apparatus in service consists of two steam fire engines, one chemical engine, four hose wagons, two ladder trucks, and one combination hose, chemical and ladder wagon. There are also one relief engine, one ladder truck, and two hose reels not in permanent service. Ladder Truck No. 2 and Chemical Engine A have been added to the equipment of the department during the past year, and companies organized to operate them.

BUILDINGS.

The new central fire station which has been erected during the past year at the junction of Medford street and Highland avenue, has been built in anticipation of all demands of the department which may be made for a number of years to come. On the first floor accommodations are furnished for a steam fire engine, hose wagon, chemical engine, fire-alarm wagon, and chief engineer's wagon, and there is also ample room for an aerial truck. This is a piece of apparatus which the city will soon require, as such apparatus is very valuable as a means of saving life, and a necessity in extinguishing fires in buildings three or more stories in height. The second floor of the station is devoted to sleeping-rooms for the permanent men, a recreation room, office of the chief engineer, toilet rooms, hay loft, etc. The third floor is used exclusively for the apparatus connected with the fire-alarm system, and is divided into an ample and commodious battery room, a large room for the electrical machinery, and a well-appointed work room. The building, as a whole, is in every way equal to that owned by any city in the State, and one in which the citizens of Somerville may justly take pride.

A new station has also been erected on Highland avenue, near Cedar street, for the accommodation of a ladder truck, which is now in service. This building is also designed to accommodate additional apparatus, which will soon be required for the western part of the city.

The other buildings of the department are in good condition, needing only ordinary repairs, with the exception of the wooden building on Webster street, occupied by Hose Company No. 1. This building, which was erected about 1865 for the accommodation of a hand hose carriage, has been in constant use, and though extensive repairs and improvements have been made upon it from time to time, it would require a considerable expenditure of money to put it into proper condition. I would recommend that only such repairs as are absolutely necessary to keep it serviceable be made upon it, and that a new building be erected upon the land owned by the city on Broadway, opposite Franklin street.

CIVIL SERVICE.

Under the provisions of Chapter ninety-five of the Acts of the Legislature of 1893, the Board of Aldermen, on the 28th of June, 1893, passed an order requesting the Civil Service Commissioners to include in the classified service all permanent members thereafter to be appointed in this department. Such request having been complied with, the appointments to the permanent force since the passage of said order, have been made under the Civil Service rules.

HYDRANTS.

I wish at this time to express my appreciation of the good work which has been done by the Water Board during the year, in the location of hydrants. Whereas, until recently, hydrants have been at considerable distance, one from another, the Board has endeavored to locate them at as frequent intervals as possible, and with an intervening distance, when possible, of not over three hundred feet. Obviously this makes a considerable saving in the length of hose required to reach a fire; the pressure obtained is much stronger and the streams more effective.

SERVICE PERFORMED BY THE SEVERAL COMPANIES.

	ENGINE CO.		HOSE COMPANY.				LADDER Co.	CHEMI- CAL
	No. 1.	No. 4.	No. 1.	No. 2.	No. 3.	No. 5.	No. 1.	Co. A.*
Feet of hose used....	11,650	12,600	14,850	8,600	14,650	10,900		
Feet of ladders used.	150	1,350	830	135		231	2,955	325
Feet of chemical hose used.....		5,400						4,400
No. of 50-gal. chemical tanks used								51
No. of 30-gal. chemical tanks used		28						
No. of hand chemical extinguishers used..	9		27	13	12	20		
No. of miles run.....	165	121	145	91	70	150	213	91
Number of still alarms answered.....	8	12	18	3	4	6	4	1

* In service six months.

I desire to extend my sincere thanks to His Honor, the Mayor, and the Honorable Committee on Fire Department for their support in all matters appertaining to the department.

Respectfully submitted,

JAMES R. HOPKINS,

Chief of Fire Department.

REPORT

OF THE

COMMITTEE ON FUEL AND STREET
LIGHTS.

CITY OF SOMERVILLE.

IN BOARD OF ALDERMEN, January 16, 1895.

Referred to Committee on Printing, to be printed in the Annual Reports.
Sent down for concurrence.

GEORGE I. VINCENT, *Clerk.*

IN COMMON COUNCIL, January 16, 1895.

Referred to Committee on Printing, to be printed in the Annual Reports,
in concurrence.

CHARLES S. ROBERTSON, *Clerk.*

CITY OF SOMERVILLE.

IN COMMITTEE ON FUEL AND STREET LIGHTS,)
January 1, 1895.)

TO THE CITY COUNCIL OF SOMERVILLE:—

The following is the final report of the Committee on Fuel and Street Lights for the year ending December 31, 1894.

SCHOOL FUEL ACCOUNT

CREDIT.

Appropriation	\$9,000.00	
Fuel removed from Brastow School building	26.75	
	<hr/>	
Total credit		\$9,026.75

DEBIT.

Expenditures:—

For fuel to Beach Street School	\$ 43.95
Bell School	417.46
Bennett School	138.99
Bingham School	417.89
Burns School	272.00
Cedar Street School	43.55
Cummings School	195.25
Davis School	252.76

<i>Amounts carried forward</i>	<hr/>	<hr/>
	\$1,781.85	\$9,026.75

<i>Amounts brought forward</i>	.	.	\$1,781.85	\$9,026.75
Durell School	.	.	115.00	
Edgerly School	.	.	1,252.10	
Forster School	.	.	542.25	
Franklin School	.	.	228.19	
Glines School	.	.	546.60	
Harvard School	.	.	22.97	
High School	.	.	169.45	
Highland School	.	.	825.45	
Jackson School	.	.	178.26	
Knapp School	.	.	624.53	
Lincoln School	.	.	183.35	
Morse School	.	.	735.26	
Pope School	.	.	962.46	
Prescott School	.	.	540.23	
Prospect Hill	.	.	228.33	
Church building (for school purposes)			11.84	
Total debit	.	.	.	\$8,948.12
Balance unexpended	.	.	.	<u>\$78.63</u>

STREET LIGHTS ACCOUNT.

CREDIT.

Appropriation	.	.	.	.	\$44,000.00	
Receipts for old lanterns	.	.	.	.	165.00	
Total credit	.	.	.	.	.	\$44,165.00

DEBIT.

Expenditures : —

For electric lighting	.	.	\$42,648.39
lighting and care of oil lamps			39.60
changing location of electric lights and poles	.	.	74.00

<i>Amounts carried forward</i>	\$42,761.99	\$44,165.00
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<i>Amounts brought forward</i>	\$42,761.99	\$44,165.00
instruments for testing electric		
lines and lights	141.25	
moving gas lamp poles . .	14.10	
printing	34.60	
car fares	3.90	
	<hr/>	
Total debit		\$42,955.84
		<hr/>
Balance unexpended		\$1,209.16
		<hr/>

SCHOOL FUEL.

In pursuance of authority conferred on this committee by an order dated July 11, 1894, contracts were made with Horatio Wellington & Company, and B. F. Wild & Company, for furnishing coal, and with the Baker-Hunnewell Company for furnishing wood until December 31, 1894, at the following prices :

COAL.			WOOD.	
Furnace.	Egg.	Stove.	Hard.	Soft.
\$4.31	\$4.31	\$4.31	\$7.75	\$5.75

and fuel has been purchased as authorized by said order. The committee was especially fortunate in securing prices for coal; the price being \$1.04 per ton less than was paid in the year 1893, while the price for wood was the same for both years.

STREET LIGHTS.

January 1, 1894, there were in the city three hundred and eighteen arc, and two hundred and ten incandescent electric lamps, and three oil lamps.

The three oil lamps, which are located on Boston avenue near the
(32)

Medford line, are on the extreme outskirts of the city, and are cared for by the Wheeler Reflector Company.

During the year it has been the policy of the committee to substitute arc for incandescent lights as far as possible, one arc frequently being of much more service, and lighting much better than several incandescents. During the year there have been added thirty arc lights and twenty-one incandescents, and twenty-three incandescents have been discontinued, making a total in the city, December 31, 1894, of three hundred and forty-eight arcs and two hundred and eight incandescents.

The committee has carefully considered the locations of lights so as to secure the best results, and the locations of many of them have been changed, so as to light as much as possible in every direction, and it is recommended that the trees on the highways be trimmed early in the Spring so that the best possible results may be obtained.

Following is a table showing the number of lamps in the city, the locations of the same being given in the report of the Superintendent of Electric Lines and Lights :

	Oil Lamps.	Arc Electric Lamps.	Incandescent Electric Lamps.	Total.
Lamps in the city January 1, 1894, as per last report	3	318	210	531
Erected during the year		30	21	51
Discontinued during the year			23	23
Lamps now in service	3	348	208	559

For the Committee,

ISAIAH H. WILEY, *Chairman.*

WILLIAM P. MITCHELL, *Clerk.*

REPORT
OF THE
SUPERINTENDENT OF LIGHTS.

CITY OF SOMERVILLE.

IN BOARD OF ALDERMEN, January 30, 1895.

Referred to Committee on Printing, to be printed in the Annual Reports. Sent down for concurrence.

GEORGE I. VINCENT, *Clerk.*

IN COMMON COUNCIL, January 30, 1895.

Referred to Committee on Printing, to be printed in the Annual Reports, in concurrence.

CHARLES S. ROBERTSON, *Clerk.*

CITY OF SOMERVILLE.

OFFICE OF ELECTRIC LINES AND LIGHTS, }
CITY HALL, January 1, 1895. }

TO HIS HONOR, THE MAYOR, AND THE CITY COUNCIL : —

Gentlemen,—I have the honor to submit my report relating to street lights for the year 1894.

There were in the city on January 1, 1894, five hundred and thirty-one street lamps. During the year thirty electric arcs and twenty-one incandescents have been added, and twenty-three incandescents discontinued, making the number in the city December 31, 1894, three oil lamps, three hundred and forty-eight electric arcs, and two hundred and eight incandescents. Three of the arc lights are situated on city parks, one on Central Hill and two on Broadway.

The arc and incandescent lights are to burn, by terms of the contract made for five years from October 1, 1892, three thousand, eight hundred and twenty-eight hours in each year. A schedule of the time of lighting and extinguishing is given to the company each month by me.

A fine of six cents per hour for arc, and one cent per hour for incandescent lights is imposed on the company for all lights out during the time they should be in service. The way of obtaining the outs is by the police patrolmen, the best way yet devised, as the police cover the whole city, and a report from them each morning comes as near being correct as any that can be obtained without great expense.

At the present time the Electric Light Co. has but one man to patrol the entire city. This is an insufficient force, and I would again recommend that the company appoint an additional patrolman. It could be arranged that these two men should receive from police headquarters from time to time during the night, the locations of lamps

not burning, as reported by police patrolmen, and by communicating these outs to the Electric Light Co. a better lighting service could be rendered the city.

An am-meter and also a volt-meter have been purchased, and tests in ascertaining the quantity of light have been made.

In many places we are not getting the best results from our lamps on account of the trees which shade our streets. The only remedy for this will be a general trimming, which it is hoped will be done before the trees leaf out in the Spring.

The electric arc lamps in streets are placed as follows: Four upon iron extensions, which belong to the city; one (in Union Square) on an iron extension belonging to the West End Street Railway Company; three suspended across the street, twenty upon wooden poles, and three hundred and seventeen upon arms.

ELECTRIC STREET LIGHTS.

The following table gives the location of lights, their kinds, and how placed : —

ELECTRIC ARC LIGHTS.	ELECTRIC STREET LIGHTS.			
	On Poles.	On Arms.	Suspended.	On Iron Extensions.
Adams street, between Broadway and Medford street	1	..	..
Adrian street, near Knapp School	1	..	..
Albion street, cor. Centre street	1	..	..
Albion street, near Cedar street	1	..	..
Albion street, near No. 104	1	..	..
Alpine street	1	..	..
Ames street, opp. Miner street	1	..	..
Appleton street, cor. Newberne street	1	..	..
Arlington street, near Hathorn street	1	..	..
Arthur street, between Broadway and Bonair	1	..	..
Ashland street, cor. Sartwell avenue	1	..	..
Auburn avenue, in front of estate No. 21	1	..	..
Austin street, cor. Benedict street	1	..	..	..
Avon street, near School street	1	..	..
Bartlett street, opp. Robinson street	1	..	..
Beach street, at bend	1	..	..
Beach street, near Spring street	1	..	..
Beacon street, between Sacramento and Harris streets	1	..	..
Beacon street, cor. Kent street	1	..	..
Beacon street, cor. Sacramento street	1	..	..
Beacon street, cor. Smith avenue	1	..	..
Beacon street, cor. Washington street	1	..	..
Beacon street, opp. Buckingham street	1	..	..
Beacon street, opp. Concord avenue	1	..	..
Beacon street, opp. Forest street	1	..	..
Beacon street, opp. Ivaloo street	1	..	..
Beacon street, opp. Park street	1	..	..
Belmont street, cor. Belmont place	1	..	..
Benton avenue, opp. Gibbens street	1	..	..
Berkeley street, cor. Hersey street	1	..	..
Bonair street, cor. Arthur street	1	..	..

ELECTRIC STREET LIGHTS.— *Continued.*

ELECTRIC ARC LIGHTS.	On Poles.	On Arms.	Suspended.	On Iron Extensions.
Bond street, at elbow	1	..	..
Boston street, cor. Greenville street	1	..	..
Boston street, cor. Prospect Hill avenue	1	..	..	..
Bow street, cor. Bow-street place	1	..	..
Bow street, cor. Walnut street	1	..	..
Bow street, cor. Wesley park	1	..	..
Brastow avenue	1	..	..
Broadway, at Willow Bridge over B. & L. R. R.	1	..	..
Broadway, cor. Adams street	1	..	..
Broadway, cor. Benedict avenue	1	..	..
Broadway, cor. Cedar street	1	..	..
Broadway, cor. Dartmouth street	1	..	..
Broadway, cor. Elm street	1	..	..	..
Broadway, cor. Endicott avenue	1	..	..
Broadway, cor. Fenwick avenue	1	..	..
Broadway, cor. Holland street	1	..	..	..
Broadway, cor. Main street	1	..	..	..
Broadway, cor. Marshall street	1
Broadway, cor. Medford street	1	..	..
Broadway, cor. North street	1	..	..	..
Broadway, opp. Packard avenue	1	..	..
Broadway, cor. Union street	1	..	..
Broadway, cor. Wallace street	1	..	..
Broadway, cor. Willow avenue	1	..	..
Broadway, front of estate No. 285	1	..	..
Broadway, opp. Cross street	1	..	..
Broadway, opp. Franklin street	1	..	..
Broadway, opp. Glen street	1	..	..
Broadway, opp. Partridge avenue	1	..	..
Broadway, opp. School street	1	..	..
Broadway Parkway	4	..	..	..
Cameron avenue, cor. Mead street	1	..	..
Carlton street, cor. Lake street	1	..	..
Cedar street, opp. Clyde street	1	..	..	..
Central street, at Berkeley street	1	..	..
Central street, between estates No. 192 and 194	1	..	..

ELECTRIC STREET LIGHTS.— *Continued.*

ELECTRIC ARC LIGHTS.	On Poles,	On Arms,	Suspended,	On Iron Extensions,
Central street, cor. York terrace .	..	1	..	..
Central street, opp. Albion street .	..	1	..	..
Central street, opp. Forster street .	..	1	..	..
Central street, opp. Vernon street .	..	1	..	..
Chandler street, near Chapel street .	..	1	..	..
Chandler street, near William street .	..	1	..	..
Chauncey avenue	1	..	..
Cherry street, opp. Sartwell avenue .	..	1	..	..
Chestnut street	1	..	..
Church street	1	..	..
Claremon street	1	..	..
Clarendon avenue	1	..	..
Columbia street	1	..	..
Columbus avenue, cor. Bonner avenue .	..	1	..	..
Columbus avenue, cor. Warren avenue .	..	1	..	..
Concord avenue, at Leon street . . .	1	..	..	..
Concord avenue, at Springfield street .	..	1	..	..
Concord square, opp. Knapp School .	..	1	..	..
Cottage avenue, in front of estate No. 21	..	1	..	..
Craigie street	1	..	..
Crescent street, cor. Pearl street .	..	1	..	..
Crocker street, at Hospital	1	..	..	..
Cross street, at Lowell Railroad Bridge	1	..	..	..
Cross street, cor. Oliver street	1	..	..
Cross street, cor. Otis street	1	..	..
Cross street, cor. Pearl street	1	..	..
Cross street, opp. estate No. 62	1	..	..
Curtis street, cor. Professors' Row .	..	1	..	..
Curtis street, opp. Fairmount avenue .	..	1	..	..
Cutter street, near Sibley court	1	..	..
Cypress street, between Central and		1		
Beech street	1	..	..
Dana street, cor. Otis street	1	..	..
Dane street, opp. Dane avenue	1	..	..
Davis square	1
Day street, cor. Orchard street	1	..	..
Day street, opp. Herbert street	1	..	..

ELECTRIC STREET LIGHTS.—*Continued.*

ELECTRIC ARC LIGHTS.	On Poles.	On Arms.	Suspended.	On Iron Extensions.
Delaware street, at elbow	1	..	..
Dimick street, cor. Buckingham street	..	1	..	..
Dover street, at Glover circle	1	..	..
Elm street, at White street	1	..	..
Elm street, cor. Chester street	1	..	..
Elm street, cor. Elston street	1	..	..
Elm street, cor. Kenwood street	1	..	..
Elm street, cor. Mossland street	1	..	..
Elm street, cor. Russell street	1	..	..
Elm street, cor. William street	1	..	..
Elm street, cor. Willow avenue	1	..	..
Elm street, opp. Davenport street .	..	1	..	..
Elm street, opp. Morrison street .	..	1	..	..
Elm street, opp. Porter street	1	..	..
Elm street, opp. Winter street	1	..	..
Elmwood street, in front of estate No. 22	1	..	..
Everett avenue, opp. estate No. 23 .	..	1	..	..
Evergreen avenue, at Dartmouth street	..	1	..	..
Evergreen avenue, at Marshall street .	..	1	..	..
Evergreen avenue, at School street .	..	1	..	..
Evergreen avenue, at Thurston street	1	..	..	..
Fanning avenue, cor. Lexington avenue	..	1	..	..
Flint street, opp. Flint place	1	..	..
Flint street, opp. Rush street	1	..	..
Florence street, between estates No. 33 and 35	1	..	..
Fountain avenue, opp. estate No. 12 .	..	1	..	..
Francesca avenue, between Elm street and Liberty avenue	1	..	..
Franklin street, opp. Flint street	1	..	..
Franklin street, opp. Perkins street .	..	1	..	..
Fremont street, between estates No. 11 and 17	1	..	..
Frost avenue, at bend	1	..	..
Gilman square	1
Gilman street, cor. Aldrich street .	..	1	..	..

ELECTRIC STREET LIGHTS.— *Continued.*

ELECTRIC ARC LIGHTS.	On Poles.	On Arms.	Suspended.	On Iron Extensions.
Gilman street, opp. Jasper street .	..	1	..	..
Glen street, cor. Flint street	1	..	..
Glen street, opp. Brook street	1	..	..
Gorham street, cor. Howard street .	..	1	..	..
Grand View avenue	1	..	..
Grant street, cor. Sewall street	1	..	..
Greene street, at bend	1	..	..
Hall avenue, between Elm street and Liberty avenue	1	..	..
Hancock street	1	..	..
Harrison street, junction Mondamin court	1	..	..
Harvard street, cor. Harvard place .	..	1	..	..
Heath street, cor. Bond street	1	..	..
Heath street, opp. estate No. 44 .	..	1	..	..
High street, opp. Prospect Hill avenue	..	1	..	..
Highland avenue, at Central street	1	..
Highland avenue, cor. Belmont street	..	1	..	..
Highland avenue, cor. Cedar street .	..	1	..	..
Highland avenue, cor. Cherry street .	..	1	..	..
Highland avenue, cor. Grove street .	..	1	..	..
Highland avenue, cor. Medford street	..	1	..	..
Highland avenue, cor. Porter street .	..	1	..	..
Highland avenue, cor. School street .	..	1	..	..
Highland avenue, cor. Walnut street .	..	1	..	..
Highland avenue, cor. West street .	..	1	..	..
Highland avenue, cor. Willow avenue .	..	1	..	..
Highland avenue, opp. Prescott street	..	1	..	..
Highland avenue, opp. Trull lane .	..	1	..	..
Holland street, cor. Cameron avenue .	..	1	..	..
Holland street, opp. Gorham street .	..	1	..	..
Holland street, opp. Wallace street .	..	1	..	..
Hudson street, at bend	1	..	..
Hudson street, near Benton avenue .	..	1	..	..
Hudson street, cor. Lowell street .	..	1	..	..
Irving street, near Holland street .	..	1	..	..
Jaques street, cor. Temple street .	..	1	..	..

ELECTRIC STREET LIGHTS.— *Continued.*

ELECTRIC ARC LIGHTS.	On Poles.	On Arms.	Suspended.	On Iron Extensions.
Jay street, between Holland street and Howard street	1	..	.
Jenny Lind avenue, between Medford and Vernon streets	1	..	..
Joy street, cor. Leonard place	1	..	..
Kidder avenue, cor. Liberty avenue	1	..	..
Kingston street, opp. Campbell Park	1	..	..
Laurel street, near Greene street	1	..	..
Lincoln street, at Lincoln avenue	1	..	.
Linden avenue, cor. Linden place	1	..	..
Linden avenue, near Elm street	1	..	..
Linwood street, between Poplar and Washington streets	1	..	..
Linwood street, cor. Poplar street	1	..	.	..
Lowell street, between Summer street and Somerville avenue	1	..	..
Lowell street, cor. Fiske avenue	1	..	..
Lowell street, opp. Wilton street	1	..	..
Madison street	1	..	..
Main street, cor. Moreland street	1	..	..
Maple street	1	..	..
Marion street, cor. Cook street	1	..	..	..
Marshall street, cor. Stickney avenue	1	..	..
Marshall street, opp. Howe street	1	..	..
Meacham street, opp. Kingston street	1	..	..
Medford street, at Central square	1	..	..
Medford street, cor. Central street	1	..	..
Medford street, cor. Essex street	1	..	..
Medford street, cor. Greenville street	1	..	..
Medford street, cor. Jenny Lind avenue	1	..
Medford street, cor. Norwood avenue	1	..	..
Medford street, cor. School street	1	..	..
Medford street, cor. Somerville avenue	1	..	..
Medford street, cor. South street	1	..	..
Medford street, cor. Sycamore street	1	..	..
Medford street, cor. Thurston street	1	..	..
Medford street, cor. Walnut street	1	..	..

ELECTRIC STREET LIGHTS.— *Continued.*

ELECTRIC ARC LIGHTS.	On Poles.	On Arms.	Suspended.	On Iron Extensions.
Medford street, cor. Ward street .	..	1	..	..
Medford street, in front of estate No. 137	1	..	..
Miller street	1	..	..
Montrose street	1	..	..
Moore street, cor. Mead street	1	..	..
Morgan street, at bend	1	..	..
Morrison street, opp. Clifton street .	..	1	..	..
Morrison street, opp. Grove street .	..	1	..	..
Morrison street, opp. Rogers avenue .	..	1	..	..
Mt. Pleasant street	1	..	..
Mt. Vernon street, at Lincoln avenue .	..	1	..	..
Myrtle street, at top of hill	1	..	..
Myrtle street, near Washington street .	..	1	..	..
Mystic avenue, near Medford line	1	..	..
Mystic avenue, cor. Middlesex avenue .	..	1	..	..
Mystic avenue, cor. North Union street .	..	1	..	..
Mystic street (ward 1)	1	..	..
Newton street, cor. Joseph street	1	..	..
Newbury street	1	..	..
Oak street, at bend	1	..	..
Oakland avenue, cor. School street .	..	1	..	..
Oliver street, cor. Glen street	1	..	..
Orchard street, cor. Chester street	1	..	..
Orchard street, cor. Dover street	1	..	..
Orchard street, cor. Russell street	1	..	..
Park avenue, opp. Chandler street	1	..	..
Park street, between Somerville avenue and Fitchburg railroad	1	..	..
Parker street, cor. Fremont avenue	1	..	..
Partridge avenue, between Medford and Vernon streets	1	..	..
Pearl street, cor. Aldrich street	1	..	..
Pearl street, cor. Bradley street	1	..	..
Pearl street, cor. Florence street	1	..	..
Pearl street, cor. Franklin street	1	..	..
Pearl street, cor. Glen street	1	..

ELECTRIC STREET LIGHTS.— *Continued.*

ELECTRIC ARC LIGHTS.	On Poles.	On Arms.	Suspended.	On Iron Extensions.
Pearl street, cor. Mt. Vernon street .	..	1	..	..
Pearl street, cor. Walnut street .	..	1	..	..
Perkins street, cor. Mt. Pleasant street	..	1	..	..
Perkins street, opp. Pinckney street .	..	1	..	..
Pinckney street, between Pearl and Washington streets	1	..	..
Prescott street	1	..	..
Preston street, near School street .	..	1	..	..
Professors' Row, at College avenue .	..	1	..	..
Professors' Row, at Packard avenue .	..	1	..	..
Professors' Row, opp. new street .	..	1	..	..
Prospect street, cor. Prospect place .	..	1	..	..
Prospect street, opp. Oak street .	..	1	..	..
Putnam street, midway between Highland avenue and Summer street .	..	1	..	..
Quincy street, midway Somerville avenue and Summer street	1	..	..
Richardson street, opp. Henderson street	1	..	..	..
Richdale avenue, opp. Lee street .	..	1	..	..
Rossmore street, midway between Somerville avenue and Washington street	..	1	..	..
Rush street, cor. Brook street	1	..	..
Sargent avenue, cor. Sherman place .	..	1	..	..
School street, opp. Berkeley street	1	..	..
School street, opp. Montrose street .	..	1	..	..
Springfield street, opp. Houghton street	..	1	..	..
Somerville avenue, at Central street .	..	1	..	..
Somerville avenue, at Craigie street .	..	1	..	..
Somerville avenue, at Fitchburg railroad bridge	1	..	..
Somerville avenue, at Fitchburg R. R. crossing	1	..	..
Somerville avenue, at Spring street .	..	1	..	..
Somerville avenue, cor. Franklin court	..	1	..	..
Somerville avenue, cor. Granite street	..	1	..	..
Somerville avenue, cor. Laurel street .	..	1	..	..

ELECTRIC STREET LIGHTS.— *Continued.*

ELECTRIC ARC LIGHTS.	On Poles.	On Arms.	Suspended.	On Iron Extensions.
Somerville avenue, cor. Prospect street	..	1	..	.
Somerville avenue, cor. Sacramento street	..	1	..	.
Somerville avenue, cor. School street	..	1	..	..
Somerville avenue, cor. Washington st.	..	1	..	..
Somerville avenue, near Bow street	..	1	..	..
Somerville avenue, near Mystic street	..	1	..	..
Somerville avenue, near oil works at Fitchburg railroad crossing	..	1	..	..
Somerville avenue, opp. Hawkins street	..	1	..	..
Somerville avenue, opp. Poplar street	..	1	..	..
Spring street, near estate No. 42	..	1	..	..
St. James avenue	..	1	..	..
Summer street, cor. Belmont street	..	1	..	..
Summer street, cor. Benton avenue	..	1	..	..
Summer street, cor. Cedar street	..	1	..	..
Summer street, cor. Central street	..	1	..	..
Summer street, cor. Cherry street	..	1	..	..
Summer street, cor. Porter street	..	1	..	..
Summer street, cor. Prescott street	..	1	..	..
Summer street, cor. Preston street	..	1	..	..
Summer street, cor. Putnam street	..	1	..	..
Summer street, cor. School street	..	1	..	..
Summer street, cor. Spring street	..	1	..	..
Summer street, cor. Vinal avenue	..	1	..	..
Summer street, cor. Willow avenue	..	1	..	..
Summer street, opp. Windom street	..	1	..	..
Summit street, cor. Billingham street	..	1	..	..
Sycamore street, in front of estate No. 141	..	1	..	..
Sycamore street, cor. Montrose street	..	1	..	..
Sycamore street, near Highland avenue	..	1	..	..
Temple street, cor. Sewall street	..	1	..	..
Temple street, opp. Derby street	..	1	..	..
Tennyson street, between Forster and Medford streets	..	1	.	..
Thorndike street	..	1	..	..

ELECTRIC STREET LIGHTS.— *Continued.*

ELECTRIC ARC LIGHTS.	On Poles.	On Arms.	Suspended.	On Iron Extensions.
Tremont street	1	..	..
Tufts street, cor. Glen street	1	..	..
Union square	2
Vernon street, cor. Trull street . .	1	..	..	..
Vinal avenue, opp. Aldersey street .	..	1	..	..
Vinal avenue, opp. Pleasant avenue .	..	1	..	..
Vine street, cor. Eliot street	1	..	..
Wallace street	1	..	..
Walnut street, cor. Aldersey street .	..	1	..	..
Walnut street, cor. Columbus avenue .	..	1	..	..
Walnut street, opp. Mills street	1	..	..
Walnut street, cor. Summit avenue .	..	1	..	..
Ware street	1	..	..
Warren avenue, cor. Sanborn avenue .	..	1	..	..
Washington street, at Fitchburg railroad bridge	1	..	..	..
Washington street, at Medford street .	..	1	..	..
Washington street, cor. Bonner avenue .	..	1	..	..
Washington street, cor. Bowdoin street .	..	1	..	..
Washington street, cor. Calvin street .	..	1	..	..
Washington street, cor. Florence street .	..	1	..	..
Washington street, cor. Mt. Vernon street	1	..	..
Washington street, cor. Mystic street .	..	1	..	..
Washington street, cor. Washington avenue	1	..	..
Washington street, opp. Franklin street .	..	1	..	..
Washington street, opp. Joy street	1	..	..
Washington street, opp. Kingman court .	..	1	..	..
Washington street, opp. Tufts street .	..	1	..	..
Webster avenue, junct. Newton street at Fitchburg railroad	1	..	..
Webster avenue, opp. Everett street .	..	1	..	..
Webster avenue, opp. Norfolk street .	..	1	..	..
Webster avenue, opp. Prospect street .	..	1	..	..
Webster street, opp. Cutter street	1	..	..
Webster street, opp. Rush street	1	..	..

ELECTRIC STREET LIGHTS.—*Concluded.*

ELECTRIC ARC LIGHTS.	On Poles.	On Arms.	Suspended.	On Iron Extensions.
Wellington avenue, opp. Montgomery avenue	1	..	..
Wheatland street, cor. Jaques street	1	..	..
Wigglesworth street, cor. Otis street	1	..	..
Willow avenue, opp. Morrison street	1	..	..
Wilton street, cor. Lawrence street	1	..	..
Winslow avenue, cor. Grove street	1	..	..
Wyatt street	1	..	..
Total	20	317	3	5

LOCATIONS OF INCANDESCENT LIGHTS.

LOCATION.	LOCATION.
Allen street, at end.	Concord avenue, between Concord square and Prospect street.
Allen street, near Somerville ave.	Cooney street, corner Line street.
Arnold court.	Craigie street, opposite No. 74.
Autumn street, cor. Louisburg pl.	Crescent street, opposite No. 10.
Belmont street, between Highland avenue and Summer street.	Curtis street, between Weare street and Raymond avenue.
Belmont street, cor. Snow place.	Dane avenue (2).
Benedict street, between Nos. 3 and 5.	Dane street, at Fitchburg railroad.
Bleachery Court (2).	Dane street, corner Frost avenue.
Bolton street.	Day street, opposite No. 38.
Bolton street, corner Oak street.	Dell street.
Bonair street, corner Cross street.	Dickinson street, opposite Hammond street.
Bonair street, cor. Melvin street.	Ellsworth street, between Cross and Rush streets.
Bonair street, corner Wigglesworth street.	Elm place, near westerly end.
Bonair street, in front of No. 85.	Elm street, corner Chapel street.
Boston street, corner High street.	Emerson street.
Bow street place.	Everett street, opposite Emerson street.
Bowdoin street, at Fremont ave.	Fairmount avenue.
Bradford avenue.	Fitchburg street.
Broadway, between Liberty and Willow avenues.	Flint street.
Broadway, near Arlington line.	Florence street, between Perkins and Pearl streets.
Broadway place.	Forster street, cor. Tennyson st.
Cedar avenue, cor. Linden avenue.	Franklin avenue.
Cedar street, at Lowell R.R. bridge.	Franklin street, between Washington street and Hadley court.
Cedar street, at railroad crossing.	Franklin street, cor. Oliver street.
Cedar street, corner Hall avenue.	Garden court (2).
Cedar street, opposite No. 14.	George street.
Cedar street, opposite Sartwell ave.	Giles place.
Central st., at Lowell R.R. bridge.	Gilman street, between Aldrich and Cross streets.
Central street, opp. Hudson street.	Gilman street, cor. Walnut street.
Chapel court.	Glen street, between Pearl and Flint streets.
Chester avenue, opposite No. 19.	Granite street, opp. Knapp street.
Chester place.	Hall street.
Claremon street, near Mead street.	
Clark street.	
Clyde street, cor. Murdock street.	
College avenue (2).	
Columbia street, opp. Casey court.	

LOCATIONS OF INCANDESCENT LIGHTS.—*Continued.*

LOCATION.	LOCATION.
Hamlet street (2).	London street.
Hanson street, cor. Durham street.	Loring street, at end.
Hanson street, cor. Skehan street.	Loring street, cor. Somerville ave.
Harris street, near Beacon street.	Lowell street, cor. Richardson st.
Hawkins street, cor. Lake street.	Lowell street, cor. Vernon street.
Heath street, opposite West street.	Madison street, near School street.
Hillside avenue.	Maple avenue.
Hinckley street, opp. Fiske ave.	Marshall street, cor. Sherman ct.
Holt place, corner Oak street.	Mason avenue.
Homer square.	May place.
Houghton street, opp. Bolton st.	McGregor place.
Howe street, corner School street.	Meacham street, opp. Orchard st.
Irving street (3).	Medford st., at Fitchburg railroad.
Ivaloo street.	Medford street, at J. P. Squires' factory.
James street.	Medford street, cor. Adams street.
Jaques street, between Grant and Temple streets.	Medford street, opp. N. E. Dressed Meat and Wool Co.'s works.
Jaques street, between Temple and Bond streets.	Mills street, at Sargent ave.
Jerome street, at bend.	Mills street, opp. No. 23.
Joseph street, corner Adrian street.	Mossland street, between Elm and Somerville avenue.
Joy street, opposite No. 68.	Munroe street, between Bigelow and Greenville streets.
Kent court (2).	Munroe street, between Boston street and Prospect Hill avenue.
Kent street, at railroad.	Munroe street, between Walnut and Bigelow streets.
Kingman court.	Murdock street (2).
Lake street, between Hawkins and Carlton streets.	Myrtle street, between Perkins and Pearl streets.
Lake street, cor. South Church st.	Mystic avenue, cor. Austin street.
Lake street, corner Oliver square.	Mystic avenue, near Boston line.
Laurel street, opposite No. 27.	Oakland avenue, opposite No. 10.
Leon street, at Dickinson street.	Otis street, opposite No. 25.
Lester terrace.	Oxford street, between Hersey and Central streets.
Line street, between Cambridge line and Smith avenue.	Oxford street, between Trull Lane and School street.
Line street, between Cooney street and Smith avenue.	Oxford street, cor. Hersey street.
Line street, cor. Smith avenue.	Park street, cor. Ivaloo street.
Line street, near Washington st.	
Linden street (2).	
Linwood street, near Washington street.	

LOCATIONS OF INCANDESCENT LIGHTS.—*Concluded.*

LOCATION.	LOCATION.
Pearl street, between Franklin street, and Hillside avenue.	Stone avenue, near Columbus ave.
Pearl street, corner Rush street.	Summit avenue.
Pearl street place.	Sunnyside avenue.
Pembroke st., near Sycamore st.	Sycamore street, cor. Madison st.
Perkins place.	Sycamore street, opp. Forster st.
Perkins street, cor. Mt. Vernon st.	Tenney court.
Perkins street, opp. Florence st.	Thorpe place (2).
Perkins street, opposite Myrtle st.	Tufts street, corner Dell place.
Pitman street.	Tyler street, opposite Tower court.
Pleasant avenue.	Vernon street, cor. Jenny Lind ave.
Poplar street, opp. Chestnut street.	Vernon street, opp. Bartlett st.
Porter street, cor. Williams court.	Vernon street, opposite Miner st.
Prospect street, between Oak street and Cambridge line.	Vine street, near Beacon street.
Putnam street, opposite No. 65.	Vine street, opposite Hanson st.
Richdale avenue.	Vine street, opposite Tyler street.
School street, between Preston and Osgood streets.	Virginia street (2).
School street, opposite Landers street.	Waldo street.
Sherman street.	Walnut street, corner Veazie st.
Skehan street, at end.	Walnut street, near Bow street.
Skehan street, corner Dane street.	Walnut street, near Broadway.
Somerville avenue, at Beach street.	Ward street, at end.
Somerville avenue, at Belmont st.	Warwick street (2).
South street, cor. Hunting street.	Washington street, cor. Hanson st.
Summer street, between Harvard and Central streets.	Washington street, cor. Wyatt st.
Summer street, corner Craigie st.	Waverly street, at end.
Stickney avenue, opposite No. 8.	Webster street, near Franklin st.
Stickney avenue, opposite No. 24.	Wesley park.
	Wesley park, opposite No. 11.
	Wesley street, at end.
	Wesley street, near Pearl street.
	Wilson avenue.
	Wyatt street, corner Cook street.

Respectfully submitted,

LEIGHTON W. MANNING,

Superintendent of Electric Lines and Lights.

REPORT

OF THE

COMMITTEE ON PUBLIC PROPERTY

CITY OF SOMERVILLE.

IN BOARD OF ALDERMEN, January 16, 1895

Referred to Committee on Printing, to be printed in the Annual Reports.
Sent down for concurrence.

GEORGE I. VINCENT, *Clerk.*

IN COMMON COUNCIL, January 16, 1895.

Accepted, in concurrence, and referred to the Committee on Printing, to be
printed in the Annual Reports.

CHARLES S. ROBERTSON, *Clerk.*

CITY OF SOMERVILLE.

IN COMMITTEE ON PUBLIC PROPERTY, }
January 1, 1895. }

TO THE CITY COUNCIL OF SOMERVILLE:—

The Committee on Public Property presents the following report
for the year 1894:—

POLICE STATION INCIDENTALS ACCOUNT.

CREDIT.

Appropriation	\$3,500.00	
Transfer from Schoolhouse Incidentals account	600.00	
Receipts for rent of armory	300.00	
Receipts for old junk	7.00	
	<hr/>	
Total credit		\$4,407.00

DEBIT.

Expenditures:—

For janitor's salary	\$ 850.00	
gas	921.77	
fuel	387.50	
water	92.40	
insurance	300.00	
disinfectant	27.33	
repairs and improvements of buildings and furniture	2,341.66	
incidentals	46.14	
	<hr/>	
Total debit		4,966.80
		<hr/>
Amount overdrawn		\$559.80
		<hr/>

SCHOOLHOUSE INCIDENTALS.

CREDIT.

Appropriation	\$12,000.00	
Received from Dana W. Bennett :—		
rebate on insurance	61.80	
Received from Hartford Steam Boiler Insurance Co. :—		
rebate on insurance	50.00	
Received from sale of old iron . .	1.00	
	<hr/>	
Total credit		\$12,112.80

DEBIT.

Transfer to Police Station Incidentals		
account	\$ 600.00	
Expenditures :—		
For repairs	7,251.70	
improvements	1,089.89	
furniture	1,326.04	
repairing furniture	455.56	
repairing heating apparatus	1,447.60	
repairing blackboards . .	143.94	
insurance	2,036.94	
emptying privy vaults . .	48.00	
heat, rent, etc. (Superintendent of Schools' office) . .	334.75	
setting edgestones at Durell School	88.34	
concrete walks	468.00	
moving furniture from Webster School	44.00	
adjusting Webster School-house insurance	22.50	
school supplies	269.55	
books and printing	15.00	
	<hr/>	
<i>Amounts carried forward</i>	\$15,641.81	\$12,112.80.

<i>Amounts brought forward</i>	\$15,641.81	\$12,112.80
For care of church for school		
purposes	25.00	
carriage hire	32.50	
incidentals	23.08	
	<hr/>	
Total debit		15,722.39
		<hr/>
Amount overdrawn		83,609.59
		<hr/> <hr/>

The expenditures at the various schoolhouses were as follows : —

Beech Street.

Repairs	\$29.02	
Repairing heating apparatus	39.70	
	<hr/>	\$ 68.72

Luther V. Bell.

Repairs	\$1,097.14	
Improvements	94.00	
Furniture	206.53	
Repairing furniture	65.70	
Repairing heating apparatus	35.87	
Repairing blackboards	14.81	
Insurance	50.00	
	<hr/>	1,564.05

Bennett.

Repairs	\$66.74	
Repairing heating apparatus	77.64	
Removing night soil	20.00	
	<hr/>	164.38
		<hr/>
<i>Amount carried forward</i>		\$1,797.15

Amount brought forward \$1,797.15

Bingham.

Repairs	\$868.76	
Improvements	70.20	
Furniture	76.75	
Repairing furniture	100.75	
Repairing heating apparatus	5.10	
Insurance	125.00	
	<hr/>	1,246.56

Burns.

Repairs	\$ 73.89	
Repairing heating apparatus	121.75	
Insurance	50.00	
	<hr/>	245.64

Cedar Street.

Repairs	\$21.61	
Repairing heating apparatus	16.97	
Removing night soil	8.00	
	<hr/>	46.58

Cummings.

Repairs	\$112.86	
Furniture	21.33	
Repairing heating apparatus	102.11	
Insurance	202.50	
	<hr/>	438.80

Davis.

Repairs	\$203.77	
Furniture	10.18	
Repairing furniture	88.50	
Repairing heating apparatus	24.32	
Insurance	202.50	
	<hr/>	529.27

Amount carried forward \$4,304.00

Amount brought forward \$4,304.00

Durell.

Repairs	\$ 23.80	
Improvements	89.30	
Furniture	65.42	
Insurance	150.00	
Setting edgestones	88.34	
	<hr/>	416.86

Edgerly.

Repairs	\$197.88	
Improvements	135.00	
Furniture	173.00	
Repairing furniture	14.90	
Repairing heating apparatus	60.48	
	<hr/>	581.26

Forster.

Repairs	\$539.56	
Furniture	20.40	
Repairing furniture	2.50	
Blackboards	50.25	
Repairing heating apparatus	240.80	
Insurance	50.00	
	<hr/>	903.51

Franklin.

Repairs	\$551.69	
Repairing heating apparatus	111.73	
Furniture	11.68	
Removing night soil	12.00	
	<hr/>	687.10

Glines.

Repairs	\$145.12	
Improvements	39.00	
Furniture	51.53	
Repairing heating apparatus	61.80	
	<hr/>	297.45

Amount carried forward \$7,190.18

Amount brought forward \$7,190.18

Harvard.

Repairs	\$ 6.13	
Repairing heating apparatus . .	11.05	
Removing night soil	8.00	
	<hr/>	25.18

High.

Repairs	\$1,593.78	
Improvements	257.40	
Furniture	225.70	
Repairing furniture	7.10	
Blackboards	78.88	
Insurance	650.00	
	<hr/>	2,812.86

Highland.

Repairs	\$218.12	
Furniture	338.13	
Repairing furniture	13.38	
Repairing heating apparatus . .	28.10	
Laying concrete in yard . . .	243.00	
	<hr/>	840.73

Fackson.

Repairs	\$229.64	
Improvements	404.99	
Furniture!	25.33	
Repairing furniture	5.50	
Repairing heating apparatus . .	47.40	
	<hr/>	712.86

O. S. Knapp.

Repairs	\$194.42	
Furniture	10.11	
Repairing heating apparatus . .	184.34	
Insurance	450.00	
	<hr/>	838.87

Amount carried forward \$12,420.68

Amount brought forward \$12,420.68

Lincoln.

Repairs	\$222.71	
Furniture	5.00	
Repairing furniture	57.40	
	<hr/>	285.11

Morse.

Repairs	\$424.33	
Furniture	49.83	
Repairing furniture	5.00	
Repairing heating apparatus	112.38	
Concrete around building	225.00	
	<hr/>	816.54

Pope.

Repairs	\$108.26	
Repairing heating apparatus	124.23	
	<hr/>	232.49

Prescott.

Repairs	\$211.97	
Furniture	35.12	
Repairing furniture	94.83	
Repairing heating apparatus	8.86	
Insurance	50.00	
	<hr/>	400.78

Prospect Hill.

Repairs	\$83.15	
Repairing heating apparatus	32.97	
Insurance	56.94	
	<hr/>	173.06

Spring Hill.

Repairs . . . . .		.60
	<hr/>	

Amount carried forward \$14,329.26

Amount brought forward \$14,329.26

Webster.

Repairs	\$26.75	
Removing furniture, furnace, etc. .	44.00	
Adjusting insurance	22.50	
	<hr/>	93.25

Superintendent of Schools' Office.

Rent (11 months, to Nov. 30) .	\$275.00	
Heat	50.00	
Repairing furniture	9.75	
	<hr/>	334.75
		<hr/>
		\$14,757.26

School supplies (brushes, dusters, baskets, etc.)	\$269.55	
Books and printing	15.00	
Care of church for school purposes .	25.00	
Carriage hire	32.50	
Incidentals	23.08	
	<hr/>	365.13
Transfer to Police Station Incidentals account		600.00
		<hr/>
Total debit (as above)		\$15,722.39
		<hr/>

SCHOOLHOUSE, ENGLISH HIGH, ACCOUNT.

CREDIT.

Balance unexpended December 31, 1893		\$81,482.00
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DEBIT.

Expenditures:—

Walter S. Sampson, on account contract	\$40,000.00	
Walter S. Sampson, extra work .	1,893.40	
	<hr/>	
<i>Amounts carried forward</i>	\$41,893.40	\$81,482.00

<i>Amounts brought forward</i>	\$41,893.40	\$81,482.00
Hartwell & Richardson, architect's services	1,000.00	
J. F. Bubert, contract for electric wiring	500.00	
Labor (heating building)	254.75	
Water service	174.18	
Referees' services on finish of woodwork	150.00	
Sewer assessment	138.00	
Insurance	75.00	
	<hr/>	
Total expenditures		44,185.33
		<hr/>
Balance unexpended		\$37,296.67
		<hr/> <hr/>

SCHOOLHOUSE, HIGH AND ENGLISH HIGH, HEATING,
VENTILATING AND PLUMBING, ACCOUNT.

CREDIT.

Appropriated in 1894	\$35,000.00
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DEBIT.

Expenditures : —

A. A. Sanborn, on account contract for heating	\$20,000.00	
A. A. Sanborn, extra work	2,811.74	
James Tucker & Sons, on account contract for plumbing	1,700.00	
James Tucker & Sons, extra work	740.99	
Walter S. Sampson, extra mason and carpenter work	714.94	
Air shaft and mason work	1,235.08	
Carpentering	183.48	
Plastering	211.73	
	<hr/>	
<i>Amounts carried forward</i>	\$27,597.96	\$35,000.00

<i>Amounts brought forward</i>	.	\$27,597.96	\$35,000.00
Wire lathing, asbestos packing, etc.	. . . . .	60.07	
Wire guards	. . . . .	23.20	
Water	. . . . .	56.40	
Gas	. . . . .	17.28	
Incidentals	. . . . .	42.37	
		<hr/>	
Total expenditures	. . . . .		27,797.28
			<hr/>
Balance unexpended	. . . . .		\$7,202.72
			<hr/>

SCHOOLHOUSE IN WARD FOUR, SOUTH SIDE
FITCHBURG RAILROAD, ACCOUNT.

(George W. Durell School.)

CREDIT.

Balance unexpended December 31, 1893	. . . . .	\$ 4,244.61	
Appropriation in 1894	. . . . .	12,000.00	
		<hr/>	
Total credit	. . . . .		\$16,244.61

DEBIT.

Expenditures: —

F. G. Coburn & Co., on account contract	. . . . .	\$12,065.00	
F. G. Coburn & Co., extra work		1,091.83	
A. A. Sanborn, on account con- tract for heating	. . . . .	1,000.00	
Samuel D. Kelley, architect's ser- vices	. . . . .	750.00	
Furniture	. . . . .	780.50	
Insurance	. . . . .	7.50	
Blackboards	. . . . .	270.75	
		<hr/>	
<i>Amounts carried forward</i>	.	\$15,965.58	\$16,244.61

<i>Amounts brought forward</i>	.	\$15,965.58	\$16,244.61
Lumber . . . . .	.	84.82	
Carpentering . . . . .	.	68.26	
Labor on furniture . . . . .	.	43.75	
Incidentals . . . . .	.	27.69	
		<hr/>	
Total expenditures . . . . .	.		16,190.10
			<hr/>
Balance unexpended . . . . .	.		\$54.51
			<hr/>

SCHOOLHOUSE, EDGERLY ADDITION, ACCOUNT.

CREDIT.

Balance unexpended December 31,			
1893 . . . . .	.	\$456.67	
Appropriated in 1894 . . . . .	.	2,000.00	
		<hr/>	
Total credit . . . . .	.		\$2,456.67

DEBIT.

Expenditures : —

Smith Heating and Ventilating			
Company, on account contract	.	\$1,696.50	
Mason work . . . . .	.	44.95	
Asbestos . . . . .	.	50.50	
Lumber . . . . .	.	45.24	
		<hr/>	
Total expenditures . . . . .	.		1,837.19
			<hr/>
Balance unexpended . . . . .	.		\$619.48
			<hr/>

SCHOOLHOUSE, BINGHAM ADDITION, ACCOUNT.

CREDIT.

Balance unexpended December 31,			
1893 . . . . .	.	\$8,290.00	
Appropriated in 1894 . . . . .	.	1,000.00	
		<hr/>	
Total credit . . . . .	.		\$9,290.00
			<hr/>
<i>Amount carried forward</i>	.		\$9,290.00
(34)			

Amount brought forward \$9,290.00

DEBIT.

Expenditures : —

John Kelley, on account contract	\$4,482.11
John Kelley, extra work . . .	360.88
A. A. Sanborn, on account contract for heating . . .	3,635.84
Plumbing	75.00
Carpentering	8.40
Asbestos	75.33
Furniture	411.92
Repairing furniture	25.75
Moving furniture	36.24
Concreting	95.40

Total expenditures	9,206.87
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Balance unexpended	\$83.13
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SCHOOLHOUSE, O. S. KNAPP ADDITION, ACCOUNT.

CREDIT.

Appropriation	\$15,500.00
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DEBIT.

Expenditures : —

John Kelley, on account contract.	\$9,750.00
John Kelley, extra work . . .	568.10
Braman, Dow & Co., on account contract for heating . . .	1,000.00
Loring & Phipps, architect's services	325.00
Plumbing	14.95
Gas fitting	18.10
Plastering	4.25
Grading	8.00

<i>Amounts carried forward</i>	\$11,688.40	\$15,500.00
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<i>Amounts brought forward</i>	.	\$11,688.40	\$15,500.00
Furniture	804.43	
Labor on furniture	67.50	
Gas . . . . .	.	23.13	
Insurance . . . . .	.	40.00	
		<hr/>	
Total expenditures . . . . .	.		12,623.46
			<hr/>
Balance unexpended . . . . .	.		\$2,876.54
			<hr/> <hr/>

SCHOOL CONTINGENT ACCOUNT.

(Janitors' Salaries.)

CREDIT.

Appropriation	\$11,000.00
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DEBIT.

Expenditures : —

For salaries paid janitors	10,686.13
		<hr/>
Balance unexpended	\$313.87
		<hr/> <hr/>

EXPENDITURES BY THIS COMMITTEE FROM MISCELLANEOUS ACCOUNT.

City Hall expenses : —

For electric lighting . . . . .	.	\$275.00
gas . . . . .	.	22.27
fuel . . . . .	.	183.00
water . . . . .	.	22.00
ice . . . . .	.	35.00
telephone connections . . . . .	.	176.90
furniture . . . . .	.	85.83
repairing furniture . . . . .	.	30.87
repairs of building . . . . .	.	157.34
		<hr/>
<i>Amount carried forward</i> . . . . .	.	\$988.21

<i>Amount brought forward</i>	.	.	.	.	\$988.21	
supplies	.	.	.	.	40.62	
rent of P. O. box	.	.	.	.	4.00	
express on bundles	.	.	.	.	11.90	
teaming ashes	.	.	.	.	16.00	
labor	.	.	.	.	47.50	
						\$1,108.23
City messengers' team : —						
For maintenance	.	.	.	.		606.40
City engineers' team : —						
For maintenance	.	.	.	.		270.00
Election expenses: —						
For fitting up voting precincts,						
repairs of boxes, fittings, etc.					\$301.47	
Care of rooms for elections and						
caucuses	.	.	.	.	109.00	
Rent of rooms for elections and						
caucuses	.	.	.	.	85.00	
						495.47
Moving band stand	.	.	.	.		20.30
Incidentals	.	.	.	.		12.50
Total expenditures	.	.	.	.		\$2,512.90

Under a contract made with Walter S. Sampson in 1893 (reported in the annual report of the committee of last year), work has been advanced as rapidly as possible on the English High School building, and the building will probably be completed early in the Spring of 1895. The committee understands, however, that it is the intention of the School Board not to occupy the building for English High School purposes until the commencement of the school year of 1895-96. By authority of orders dated July 11 and August 27, respectively, contracts were made with James Tucker & Sons for \$3,137 for plumbing, and with J. F. Bubert for \$1,530 for electric wiring in this building.

In pursuance of an order dated May 9, a contract was made with A. A. Sanborn for the heating and ventilating apparatus for the High and English High School buildings for the sum of \$26,306.

In pursuance of authority conferred on this committee by an order dated February 28, 1894, the church building on Highland avenue was sold to the First Congregational Society in Somerville for the sum of \$400, said building to be removed on or before August 1, 1894. The time for removal of the church building was extended by authority of the City Council to November 5, 1894, and further extended to March 1, 1895, by which date the building is to be entirely removed.

As reported by the committee of 1893, proposals were received for the construction and for the heating and ventilating apparatus for the schoolhouse in Ward Four, south side of Fitchburg Railroad. Under authority of orders dated February 28 and April 11, contracts were made with Frank G. Coburn & Co. for the sum of \$12,065, and with A. A. Sanborn for the sum of \$1,689, — the first for construction, and the latter for heating and ventilating apparatus, — the committee of 1893 having recommended that contracts be made with said parties, they being the lowest bidders. By an order dated March 28, this school was named the “George W. Durell School.” The building was completed during the Summer, and has been used for school purposes since the beginning of the Fall term.

In pursuance of an order dated June 13, a contract was made with the Smith Heating and Ventilating Co. for changing the system of heating and ventilating apparatus in the Edgerly Schoolhouse, from furnace to steam; the amount to be paid for the same to be \$2,262, in which sum is included the sum of \$597, being the final payment on account of the former contract with said company. The change has been made under said contract, but in the judgment of the committee the results are not in accordance with the contract, and the apparatus has not as yet been accepted.

The Bingham Schoolhouse addition, which was commenced by the committee of 1893, was completed early in the year, and is now in use for school purposes.

During the year the O. S. Knapp Schoolhouse has been enlarged by the addition of four rooms, in accordance with plans prepared by Loring and Phipps, architects. By authority of orders dated May 23 and June 13, contracts were made with John Kelley for construction for the sum of \$13,000, and with Braman, Dow & Co. for heating and ventilating apparatus for the sum of \$1,600. This building

will be ready for occupancy at the beginning of the Spring term of 1895.

In pursuance of an order dated April 25, extensive alterations have been made in the basement of the police building. Six additional cells have been constructed, a room prepared for the use of the matron, and a battery and work room fitted for use in the operation of the police-signal system.

In the report of the Superintendent of Public Buildings may be found a detailed statement of repairs and improvements of the school-houses and public buildings under the care of this committee.

For the Committee,

JOHN ANDREWS, *Chairman.*

WILLIAM P. MITCHELL, *Clerk.*

REPORT
OF THE
INSPECTOR OF BUILDINGS.

CITY OF SOMERVILLE.

IN BOARD OF ALDERMEN, January 30, 1895.

Referred to Committee on Printing, to be printed in the Annual Reports. Sent down for concurrence.

GEORGE I. VINCENT, *Clerk.*

IN COMMON COUNCIL, January 30, 1895.

Referred to Committee on Printing, to be printed in the Annual Reports, in concurrence.

CHARLES S. ROBERTSON, *Clerk.*

CITY OF SOMERVILLE.

OFFICE OF INSPECTOR OF BUILDINGS, }
January 1, 1895.

TO HIS HONOR, THE MAYOR, AND THE CITY COUNCIL : —

Gentlemen,— In accordance with city ordinance the following report of this department for the year ending December 31, 1894, is respectfully submitted.

The number of building permits issued during the year was 513, classified as follows : —

	WARDS.				TOTAL.
	1	2	3	4	
Single dwellings	17	47	128	126	318
Dwellings in blocks		6	3	8	17
Apartment houses		3	1		4
Additions and alterations to buildings	14	24	19	11	68
Stables	5	16	16	12	49
Stores	5	5	20	9	39
Shops	2	2	3	1	8
Sheds		2			2
Dry House			1		1
Churches		1		1	2
Manufactories			1	1	2
Laundry				1	1
Business block (brick)		1			1
Office		1			1
	43	18	192	17	513

Frequent examinations have been made of buildings in the course of construction and those upon which alterations have been made.

Notices have been sent to owners and builders in cases where faulty construction, violation of ordinance, or danger from fire was discovered, and in all cases, owners and builders have acceded to requests or notices sent, and cheerfully complied with the suggestions of the Inspector.

Special attention has been given to the following cases :

Building in a dangerous and unsafe condition	1
Woodwork too near chimney	10
Cellar walls improperly constructed (rebuilt)	3
Boiler setting and chimney unsafe	1
Woodwork against furnace pipe	2
Brick wall ordered between buildings	1
Brick party wall improperly built (ordinance violated)	1
Chimney resting on iron columns	2

The number of city buildings built or additions made thereto is as follows :—

City stables (built)	1
Fire houses (built)	2
Schoolhouses (built)	1
Schoolhouses (now building)	1
Schoolhouses (additions)	2

The average dwelling of to-day is being built in a more thorough manner than that of a few years ago, which means progress and stability. I would recommend a change in the Building Ordinance, requiring girts instead of ledger boards for the support of floor beams.

Under an Act of the Legislature approved June 10, 1893, requiring the Inspector of Buildings to make an appointment of an Inspector of Plumbing, the Inspector appointed Duncan C. Greene, on May 2, 1894, for the probationary term of six months, in accordance with the Civil Service rules, and Mr. Greene at once entered upon his duties. On November 3, 1894, his appointment was made permanent, and he will be continued in office under the law until he resigns or otherwise vacates his office, or is removed for cause. Previous to the appoint-

ment of Mr. Greene, Mr. Gustavus F. Andrews acted as Inspector of Plumbing, he having been appointed by me and approved by the Board of Health.

The laws further require the Inspector to act as one of the Board of Examiners of plumbers making application for licenses, to examine all plans for which plumbing permits are to be issued, grant certificates and permits to do plumbing, and also to fix the amount of compensation of the Inspector of Plumbing. After consultation with the Finance Committee of the City Council, your Inspector fixed his pay at \$100 per month.

The total number of permits for plumbing was six hundred and fifty-two, covering six hundred and forty-six buildings.

Permits for plumbing in new buildings . . .	341
Permits for plumbing in old buildings . . .	311

The Inspector of Plumbing reports that six hundred and twenty-five buildings for which permits to do plumbing were issued, have been inspected with the following results : —

Number of buildings where the pipes were tested with water	523
Number of buildings with defective pipe or fittings . . .	71
Faulty construction of waste or vent system . . .	49
Faulty connection with drain	11
Insufficient number of clean-outs	33
Vent pipes not carried through the roof	8
Insufficient number of traps	26

These violations were pointed out to the plumbers having charge of the work, and the plumbing was reconstructed in accordance with the provisions of the plumbing ordinance. The Inspector has kept himself informed of the condition of the plumbing as the buildings have progressed, and as necessity required, given directions how the work should be done.

The following is the total number of licenses and certificates issued to plumbers during the year, under the Acts of 1893 and 1894, and receipts for the same paid to the city Treasurer : —

Number of master plumbers' certificates issued	18	Receipts	\$36.00
“ journeymen “ “ “	40	“	20.00
“ master “ licenses “	15	“	30.00
“ journeymen “ “ “	11	“	5.50

Total receipts \$91.50

Applications for master plumbers' licenses rejected . 2

“ journeymen “ “ “ . 2

Applicants for journeymen plumbers' licenses not appearing for examination 4

Respectfully submitted,

THOMAS R. ROULSTONE,

Inspector of Buildings.

REPORT
OF THE
SUPERINTENDENT OF PUBLIC
BUILDINGS.

CITY OF SOMERVILLE.

IN BOARD OF ALDERMEN, January 30, 1895.

Referred to Committee on Printing, to be printed in the Annual Reports.
Sent down for concurrence.

GEORGE I. VINCENT, *Clerk*.

IN COMMON COUNCIL, January 30, 1895.

Referred to Committee on Printing, to be printed in the Annual Reports,
in concurrence.

CHARLES S. ROBERTSON, *Clerk*.

CITY OF SOMERVILLE.

OFFICE OF SUPERINTENDENT OF PUBLIC BUILDINGS, }
January 1, 1895. }

TO THE HONORABLE, THE MAYOR AND THE CITY COUNCIL : —

Gentlemen,—In compliance with city ordinance No. nineteen, section eight, this report is respectfully submitted. Repairs, alterations, and improvements have been made at the Police building, City Hall, and the several schoolhouses of the city. The following is a brief summary of the nature of such repairs, etc. :—

Police Station.—Six cells have been constructed in the basement, a battery room built and fitted with shelves for the jars, and conveniences for filling and cleaning the battery. The room formerly used as a battery room was fitted for the matron's use. A storage room has been fitted, room for supplies built, and a main trap placed in the drain outside the building. The room used by the clerk of the court was enlarged, newly plastered, new hardwood floor laid, cases built for books and papers, etc.

City Hall.—Slight repairs have been made, such as shellacing floors, new window cords, etc.

Beech Street School.—The old sanitary building in the yard has been removed ; seats and desks in one room replaced by those of a larger size, taken from the Franklin School ; hall was repapered.

Luther V. Bell School.—All the room and hall ceilings have been whitened, and the walls painted ; dressing rooms ventilated by openings cut into the hall ; one half the desks and seats in two of the rooms removed to the Franklin School, and new desks and seats of the adjustable pattern furnished ; seats and desks in four rooms redressed and varnished ; all the basement windows screened, and additional concrete laid in the yard.

Bennett School.—New plank walks have been laid, and repairs made in the janitor's quarters.

Bingham School.—An addition of four rooms has been completed, and was first occupied in April. The boys' sanitariums have been enlarged and new sanitariums for the girls built in the east side of the basement, with an entrance from the yard. In the old part of the building, the walls and ceilings of the halls and rooms have been painted and whitened, and the furniture refinished and varnished. The fence in front of the building has been moved back to conform with the line of the street.

Burns School.—The boiler has been retubed and the fire-box repaired, and platforms built in front of blackboards.

Cedar Street School.—Slight repairs have been made to building, walks, etc.

Cummings School.—Rooms have been whitened, and general repairs made to building.

Davis School.—The ceiling of the furnace room has been plastered; chimney topped out, and alterations made in the flues, improving the draft; desks and chairs in all the rooms refinished and varnished.

George W. Durell School.—This is a four-room brick building heated by direct and indirect steam. It has been erected during the year, and was occupied in September. A flagstaff has been placed on the building, walks laid, and two hundred feet of fence built.

Edgerly School.—The old furnaces have been removed and a steam heating plant substituted, designed to heat the building by direct and indirect steam. Slight repairs have been made to doors, windows, etc.

Forster School.—Walls and ceilings in four rooms have been whitened and painted; one heating boiler retubed; case for books built in Principal's office; slate blackboards put in two of the upper rooms; furniture in one room redressed and varnished.

Franklin School.—Ceilings have been replastered; inside woodwork and walls painted; platforms removed, and the furniture removed from the Bell School put into one of the rooms on the second floor.

Jacob T. Glines School.—An iron gate has been placed at the entrance to the ward-room, and slight repairs have been made to the roof.

Harvard School.— Slight repairs have been made to the out-buildings and walks.

High School.— The heating and ventilating system in this building has been entirely remodelled. The two old boilers have been replaced by three of a larger capacity, designed to heat the new English High School as well as the old building. By the alteration, drains were cut off, making it necessary to build new ones, and also to place conductors on the outside of the building. Most of the plumbing had to be taken out and replaced at quite an expense, but nothing has been done to improve the sanitaries. In addition to the work done by contract, the city constructed the cold air ducts and heating ducts in the chemical room and placed a radiator in the upper hall. Slate blackboards have been put in the recitation rooms.

Highland School.— One room was fitted with new furniture, the old being too small; one room has been painted and whitened, and additional concrete laid in the yard.

Jackson School.— The old sanitaries have been removed, and new ones constructed in the basement, and a portion of the yard has been graded.

O. S. Knapp School.— An addition to this building of four school-rooms and a ward-room has been completed during the year. This part of the building is heated independently from the old part by direct and indirect steam from one boiler. The old portion of the building needs extensive repairs.

Lincoln School.— The walls of the rooms were painted; new tin put on roofs of porches; desks and chairs redressed and varnished.

Morse School.— All the outside woodwork and tin roofs have been painted two coats; a portion of the boys' yard concreted; walls of dressing room and office painted.

Charles G. Pope School.— Slight repairs have been made to the roof and plumbing.

Prescott School.— The furniture in four rooms was redressed and varnished, and dressing rooms painted.

Prospect Hill School.— This building has had but slight repairs.

Spring Hill School.— This building has not been in use for school purposes, but has been used for storage of old school furniture.

Webster School.— This building was destroyed by fire during the year 1893. What remained of the old building was sold.

The usual repairs have been made to out-houses, walks, fences steps, floors, sanitaraires, plumbing, furniture, blackboards, furnaces stoves, boilers, clocks, doors, windows, roofs, drains, electrical apparatus, etc.

Respectfully submitted,

THOS. R. ROULSTONE,

Superintendent of Public Buildings.

REPORT
OF THE
INSPECTOR OF MILK.

CITY OF SOMERVILLE.

IN BOARD OF ALDERMEN, January 16, 1895.

Referred to Committee on Printing, to be printed in the Annual Reports.
Sent down for concurrence.

GEORGE I. VINCENT, *Clerk*.

IN COMMON COUNCIL, January 16, 1895.

Reference concurred in.

CHARLES S. ROBERTSON, *Clerk*.

CITY OF SOMERVILLE.

OFFICE OF THE INSPECTOR OF MILK, }
January 8, 1895. }

TO HIS HONOR, THE MAYOR, AND GENTLEMEN OF THE CITY COUNCIL : —

Honored Sirs, — Respectfully I submit to you the following brief report of the work of milk inspection, and the giving of licenses for the past year.

I have licensed as milk producers, contractors and sellers, two hundred and twenty-six men. These men handle daily nine thousand and fifty-nine cans of milk. There are also owned by the various dealers, five hundred and twenty-eight cows. There are one hundred and eighty-one wagons running almost constantly through the city, for the purpose of distributing milk.

I have registered this past year thirty-three new stores. There are now in the city, four hundred and sixty-two stores where milk is sold. I have also licensed seventeen men, with wagons, to sell oleomargarine and other imitations of butter. Total number of milk and oleomargarine licenses, and store registers, equals two hundred and seventy-six. Therefore, at fifty cents each, one hundred and thirty-eight dollars have been turned into the city treasury, for which I have the city treasurer's receipts.

I have examined and tested, during the year, the usual number of samples of milk, and found them to compare favorably with those of previous years. Hence there have been no causes for prosecution.

Trusting, gentlemen, that this report will meet with your approval, I remain respectfully,

Your obedient servant,

THOMAS CUNNINGHAM,
Inspector of Milk.

REPORT
OF THE
INSPECTOR OF ANIMALS AND
PROVISIONS.

CITY OF SOMERVILLE.

IN BOARD OF ALDERMEN, January 16, 1895.

Referred to Committee on Printing, to be printed in the Annual Reports. Sent down for concurrence.

GEORGE I. VINCENT, *Clerk*.

IN COMMON COUNCIL, January 16, 1895.

Reference concurred in.

CHARLES S. ROBERTSON, *Clerk*.

CITY OF SOMERVILLE.

OFFICE OF THE INSPECTOR OF ANIMALS AND PROVISIONS, }
January 8, 1895.

TO HIS HONOR, THE MAYOR, AND GENTLEMEN OF THE CITY COUNCIL :—

Honored Sirs, — In the month of October I made the usual semi-annual tour of inspection of all the cattle in the City of Somerville. There are one hundred and twenty-one owners of the same. Total number of cattle, four hundred and twenty. There are three hundred and ninety-seven cows in milk, twelve cows dry, two bulls, and nine young stock. From a physical examination all appeared to be in a very good and healthy condition. At the April examination, some eight or ten were slightly unwell from various temporary causes. In October all had recovered. With this sole exception, the report and examination for April do not differ from the same for October.

There are in the city two establishments where cattle are slaughtered. The largest one, "The New England Dressed Meat and Wool Company," is located on Medford street. At this place, in August and September, four hundred and fifty-eight cattle were slaughtered, all in good order; also three thousand, five hundred and fifty-nine calves were killed, only nine of which were condemned as unfit for use. In October, two hundred and fifty-four cattle, and three thousand, three hundred and seventy-two calves were killed, none of which were condemned. Since October, until December 31, four hundred and twenty cattle, and three thousand, three hundred and forty-six calves have been killed. Of these last, two cattle and eight calves were condemned and consigned to the tank. Total number of cattle killed since August equals one thousand, one hundred and thirty-two, only two of which were unfit for market. Total number of calves killed since August equals ten thousand, two hundred and seventy-

seven, only seventeen of which were two young and consequently unfit for market.

Since August this firm have been engaged in transporting cattle and sheep to Europe. During four months they have shipped thirteen thousand cattle, and thirty-eight thousand, one hundred and forty-two sheep. These animals are all inspected before leaving the West, by a United States Inspector, and again, on arrival here, they are inspected by a United States Inspector. All the animals that are injured on the trip are considered unfit to be shipped. These are retained by the firm, and are slaughtered for market.

All the cattle and calves slaughtered, I am required by the "State Board of Cattle Commissioners" to examine.

Hartz Gunsenheiser, of North street, owns a small slaughtering establishment which has been duly licensed. He has killed during the year, on an average, about twenty-four cattle and sixty calves per month; also sheep in proportion. This place is kept clean and in good order. Gunsenheiser kills mostly for the Jewish population of Boston and vicinity.

I have, during the year, visited about two hundred stores and markets for groceries and provisions, also fish wagons, and have found that everything for sale has been all right and fit for use.

This condensed report will give you some idea of the duties required of your inspector. I sincerely hope, gentlemen, that it will meet with your approbation.

Very respectfully,

THOMAS CUNNINGHAM,

Inspector of Animals and Provisions.

REPORT
OF THE
SUPERINTENDENT OF ELECTRIC
LINES.

CITY OF SOMERVILLE.

IN BOARD OF ALDRMEN, January 30, 1895.

Referred to the Committee on Printing, to be printed in the Annual Reports.
Sent down for concurrence.

GEORGE I. VINCENT, *Clerk*.

IN COMMON COUNCIL, January 30, 1895.

Referred to the Committee on Printing, to be printed in the Annual Reports,
in concurrence.

CHARLES S. ROBERTSON, *Clerk*.

CITY OF SOMERVILLE.

OFFICE OF SUPERINTENDENT OF ELECTRIC LINES AND LIGHTS, }
City Hall, January 1, 1895. }

TO HIS HONOR, THE MAYOR, AND THE CITY COUNCIL : —

Gentlemen : — I have the honor to herewith submit the annual report of the department for the inspection of wires.

In April, 1894, a heavy sleet storm took down a line of fifty-two round poles on Highland avenue, from Central street to Davis square, eleven on Broadway, from Lincoln School to Arlington line, nineteen on Mystic avenue, and eleven on Linwood street. All of these poles were owned by the New England Telephone Co. These lines were soon rebuilt, the round poles being replaced by square hard pine poles, and joint locations being given to the Telephone Co., the Electric Light Co., and the West End Street Railway Co. as far as practicable.

The Commercial Union Telegraph Co. have rebuilt their line on Mystic avenue, having been granted locations jointly with the Somerville Electric Light Co. Square hard pine poles have been substituted for inferior round poles on the following streets, joint locations being given where it was possible to do so,—Summer street, from Belmont street to Cutter square, Orchard street, Willow avenue, and Dover street.

The new English High School, the Central Fire Station, and Ladder Two House have been wired for electric lighting, and the last two houses connected with the bridge metallic telephone line which is used for direct communication between the different departments of the city.

A number of private residences and stores have been inspected for electric wiring, and a large number of dead wires have been removed throughout the city.

FIRE ALARM AND POLICE.

The fire alarm has been transferred from the old engine house on Highland avenue to the Central Fire Station, the entire upper floor being devoted to electrical apartments. A large battery room, capable of holding one thousand jars, provides for the future growth of the city and affords a relief from the crowded condition that existed in the old building. A new eight-circuit repeater with two bell circuits combined has been put in. The circuits have been increased from three to seven, thus affording a better protection to the city. Formerly, if a break occurred, one third of the city was left unprotected until the trouble on the line could be remedied ; now, by the running of seventeen additional miles of wire, the arrangement of boxes and lessening of territory covered by each circuit, but a small portion is left unprotected during a break or trouble on the line.

All of the fire-alarm circuit, tapper and telephone lines enter the building through a cable of thirty conductors.

A bell of three thousand pounds has been placed on the new Central Fire Station, also one of two thousand, one hundred and eighty pounds on Hook and Ladder Two House, Highland avenue. Five new fire-alarm boxes have been put in circuit during the year. The fire alarm is one of the best in the State.

Needs of the fire alarm : New boxes in the isolated parts of the city. A striker to take the place of the bell formerly on the Unitarian church, Central Hill ; either the old or the new High School would be a good location for such a striker. A striker on Clarendon Hill, and also one at Winter Hill. A horse and wagon for use in repairing breaks, conveying material for general work on the fire and police wires, and dispatch in reaching trouble on the line is much needed. There is ample room for this team at the Central Fire Station.

FIRE-ALARM TELEGRAPH.

LIST OF BOXES WITH THEIR NUMBERS AND LOCATIONS.

12. Junction Somerville avenue and Linwood street.
13. McLean Asylum.

14. Cross street, corner of Gilman street.
15. Washington street, corner of Myrtle street.
16. Webster street (Hose House No. 1).
17. Lincoln street, corner of Perkins street.
18. Broadway, corner of Mt. Vernon street.
19. Medford street, corner of Washington street.
112. John P. Squire & Co.'s, Somerville avenue.
113. F. R. R. Freight Yard.
115. Franklin street, opposite Oliver street.
116. Broadway, near Autumn street.
118. Boston & Maine R. R. car shops, near Prison Point.
119. Corner of Somerville avenue and Medford street.
21. Medford street, corner of South street.
23. South street, Howe & Putney (Pork House).
24. Webster avenue, opposite Norfolk street.
25. Washington street, corner of Prospect street (Hose House No. 3).
26. Concord square, corner of Springfield street.
27. Bow street (Police Station).
28. Somerville avenue, corner of Laurel street.
29. Washington street, opposite Dane street.
216. Highland avenue, corner Vinal avenue.
217. Summer street, corner of School street.
221. North Packing and Provision Co.'s, Medford street.
224. Prospect street, near Oak street.
225. Union square, Masonic Building.
227. American Tube Works, Frost avenue.
228. Middlesex Bleachery, Somerville avenue.
231. Boston street, corner of Greenville street.
31. Central Fire Station, Medford street, junction Highland avenue.
32. Bonair street, opposite Dana street.
33. Medford street, corner Dartmouth street.
34. Marshall street (Hose House No. 2).
35. Broadway, junction of Main street.
36. Central street, corner of Vernon street.
37. Magoun square.
38. Cedar street, corner of Clyde street.
331. Gilman square.

- 332. Pearl street, corner of Aldrich street.
- 334. Wheatland street, corner of Jaques street.
- 335. Melrose street, off Mystic avenue.
- 4. Powder House square.
- 41. Summer street, corner of Cedar street.
- 42. Beacon street, corner of Kent street.
- 43. Beacon street, corner of Harris street.
- 45. Summer street, opposite Spring street.
- 46. Elm street, junction Somerville avenue.
- 46. Duplicate: Hose House No. 5.
- 47. Highland avenue, corner of Grove street (Engine House No. 4).
- 48. Broadway, corner of Curtis street.
- 49. College Hill (Professors' Row).
- 421. Highland avenue, corner of Central street.
- 423. City Hospital, Crocker street.
- 423. Duplicate: Ladder House No. 2, Highland avenue.
- 441. Gorham street, corner Howard street.
- 442. Holland street, opposite Irving street.
- 443. Davis square.
- 45. Meacham street, corner Campbell park.
- 447. Elm street, corner of William street.
- 55. No School.
- 6-6-6. Police Call.
- 7-7-7. Military Call.
- 5 Blows. Second engine call.
- 8 Blows. Extra ladder truck call.

The battery room at the Police Station has been moved from the front of the building to the rear, and new battery racks have been erected. Three additional boxes have been placed in circuit, and the wires of the Police system have with few exceptions been placed above all other wires throughout the city.

I would recommend the running of a third wire for the fourth circuit.

Respectfully submitted,

LEIGHTON W. MANNING,

Superintendent Electric Lines.

REPORT
OF THE
SEALER OF WEIGHTS AND
MEASURES.

CITY OF SOMERVILLE.

IN BOARD OF ALDERMEN, January 30, 1895.

Referred to Committee on Printing, to be printed in the Annual Reports.
Sent down for concurrence.

GEORGE I. VINCENT, *Clerk.*

IN COMMON COUNCIL, January 30, 1895.

Referred to Committee on Printing, to be printed in the Annual Reports,
in concurrence.

CHARLES S. ROBERTSON, *Clerk.*

CITY OF SOMERVILLE.

OFFICE OF SEALER OF WEIGHTS AND MEASURES, }
151 Central Street, January 29, 1895. }

TO THE HONORABLE, THE MAYOR AND THE CITY COUNCIL: —

Gentlemen,—The following is respectfully submitted as the first annual report of the Sealer of Weights and Measures, and is for the year ending December 31, 1894.

NUMBER OF WEIGHTS, MEASURES, AND BALANCES TESTED AND SEALED.

Scales	.	.	.	.	.	.	.	630
Weights	.	.	.	.	.	.	.	1,904
Dry measures	.	.	.	.	.	.	.	676
Wet measures	.	.	.	.	.	.	.	623
Milk cans	.	.	.	.	.	.	.	978
Milk jars	.	.	.	.	.	.	.	36
Cream jars	.	.	.	.	.	.	.	647
Oil cans	.	.	.	.	.	.	.	4
Coal baskets	.	.	.	.	.	.	.	30
Yard sticks	.	.	.	.	.	.	.	1

NUMBER OF MEASURES TESTED AND CONDEMNED:

Dry measures	.	.	.	.	.	.	.	43
Wet measures	.	.	.	.	.	.	.	20
Coal baskets	.	.	.	.	.	.	.	12

Several of the scales were adjusted before sealing, and many of the weights were first drilled and plugged with lead.

Eleven scales were in need of repair and were tagged, as required by law, with a card stating that they were inaccurate and not to be used until sealed, and the card removed by the sealer; such removal

not to be made by any other person, and the scales not to be used contrary to such provision, under penalty. Nine of these scales were subsequently submitted to the inspection of the sealer, and were tested and sealed; one has not been used since tagged, and the owner of the other has not as yet communicated with the sealer in regard to it.

The sealer is required by law to give public notice, annually, by advertisement or posting, to all persons doing business to bring in their weights, measures and balances to be sealed. This provision has been complied with each year, and such weights, measures and balances as have been brought to the sealer have been adjusted, sealed and recorded.

The law also provides that "After giving such notice the said sealer shall go to the houses, stores and shops of persons who neglect to comply therewith, and, having entered the same with the assent of the occupants thereof, shall adjust and seal their weights, measures and balances."

Until the past year this law has not been observed in Somerville, because the sealer has not been furnished, as required by another statute, with the necessary set of standard weights, measures and balances to enable him to carry out its provisions; the only set theretofore owned by the city being the one kept, as the statutes provide, in the custody of the city treasurer.

In July last, the sealer was provided with everything requisite for the full performance of his duties, and he has since made as complete an inspection of the various places of business and houses which he is required to visit, as was possible on a first inspection.

The receipts and expenses for the year were as follows:—

Fees collected and paid to city treasurer .	\$192.28
Expenses,— permanent equipment	\$51.70
man and team	63.25
stamps, and re-cutting same	5.90
bill-books and tags	9.75
sundries (labor, etc.)	4.92
	<hr/>
	\$135.52
Sealer's salary	\$100.00

Respectfully,

AMMIEL COLMAN,
Sealer of Weights and Measures.

REPORT
OF THE
CITY SOLICITOR.

CITY OF SOMERVILLE.

IN BOARD OF ALDERMEN, February 27, 1895.

Referred to Committee on Printing, to be printed in the Annual Reports.
Sent down for concurrence.

GEORGE I. VINCENT, *Clerk*.

IN COMMON COUNCIL, February 28, 1895.

Concurred in.

CHARLES S. ROBERTSON, *Clerk*.

CITY OF SOMERVILLE.

February 27, 1895.

TO THE HONORABLE, THE MAYOR AND CITY COUNCIL : —

I respectfully submit my report as city solicitor for the year ending December 31, 1894.

The following were the cases pending in the courts during the year 1894, in which the City of Somerville was a party, and, so far as disposed of, they were disposed of as hereinafter stated : —

1. *Parker vs. Somerville* — Before County Commissioners of Middlesex County. Damages on account of land alleged to have been taken for a sewer by the city.

2. *Squire vs. Somerville* — Before Superior Court for Middlesex County. Damages for conversion of box drain. Dismissed December 17, 1894.

3. *Boston & Lowell R. R. Co. vs. Somerville* — Before Superior Court for Middlesex County. Petition in regard to repairs and reconstruction of bridges across railroad location in Somerville, and assessment of expenses thereof.

4. *Philbrook vs. Somerville* — Before United States Circuit Court. Action for damages for alleged violation of the Knibbs patent for a relief valve on steam fire engines. This action was commenced May 20, 1887, and similar actions were brought against other cities. Somerville and other defendant cities put their cases in the hands of Livermore & Fish, patent solicitors. The case against the City of Haverhill was made a test case, and at a hearing, November 14, 1888, the Court decided for the defendant, and an appeal from that decision was taken to the United States Supreme Court, which has recently rendered a decision for the defendant.

5. *Kelly vs. Somerville* — Before Superior Court for Middlesex

County. Action for personal injuries alleged to have been received on Somerville avenue, November 25, 1890. Dismissed December 17, 1894.

6. *Williams vs. Somerville* — Before Superior Court for Middlesex County. Action for damages on account of alleged injuries to cattle by the employees of the Gypsy Moth Commission.

7. *Cole, Collector, vs. Charles H. North* — Before Superior Court for Suffolk County. Action to recover personal estate taxes for 1890.

8. *Mayor and Aldermen of Somerville vs. Fitchburg and Boston & Albany R. R.* — Before Superior Court for Middlesex County. Petition for appointment of commissioners in regard to grade crossings on Somerville avenue.

9. *O'Brien vs. Somerville* — Before Superior Court for Middlesex County. Action for personal injuries alleged to have been received on Somerville avenue, February 2, 1893. \$50 paid in settlement, February 20, 1894.

10. *Reardon vs. Somerville* — Before Superior Court for Middlesex County. Action for personal injuries alleged to have been received on Somerville avenue, March 11, 1893. Judgment for \$225, and judgment paid.

11. *Somerville vs. Gore, et al.* — Before Superior Court for Middlesex County. Action to recover \$200 paid in suit, *McCarthy vs. Somerville*, on account of injuries, on October 31, 1892, on Somerville avenue.

12. *Bevins vs. Somerville* — Before Superior Court for Middlesex County. Action for personal injuries alleged to have been received on Perkins street, on March 3, 1893. \$173 paid in settlement, May 24, 1894.

13. *Emerson vs. Somerville* — Before Superior Court for Middlesex County. Petition for assessment of damages on account of alleged taking of land and buildings at Nathan Tufts Park. Petition dismissed at trial, February 13, 1894.

14. *Smith vs. Somerville* — Before Superior Court for Middlesex County. Action for injury to horse and carriage, alleged to have been received on Medford street, on August 28, 1893.

15. *White vs. Somerville* — Before Superior Court for Middlesex County. Action for personal injuries alleged to have been received on September 22, 1892, on Somerville avenue.

16. *Tower vs. Somerville* — Before Superior Court for Middlesex County. Appeal from award for alleged taking of land for sewer on Tower street.

17. *Willard vs. Somerville* — Before Superior Court for Middlesex County. Action for injuries alleged to have been caused March 1, 1893, to house on corner of Grand View and Vinal avenues by bursting of water pipe. \$129.90 paid in settlement, December 20, 1894.

18. *Graham vs. Somerville* — Before Superior Court for Middlesex County. Action for personal injuries alleged to have been received on Franklin street, on December 5, 1892.

19. *Symmes vs. Somerville* — Before County Commissioners of Middlesex County. Petition for repairs of Mystic avenue.

20. *Emerson vs. Somerville* — Before Superior Court for Middlesex County. Petition for assessment of damages on account of alleged taking of land and buildings at Nathan Tufts Park.

21. *Dimick vs. Somerville* — Before County Commissioners of Middlesex County. Petition for laying out of Line street.

22. *Veasey vs. Somerville* — Before Superior Court for Suffolk County. Action for personal injuries alleged to have been received on Summit avenue, on January 31, 1894.

23. *Metropolitan Park Commissioners vs. Somerville* — Before Supreme Judicial Court for Suffolk County. Petition for appointment of commissioners to assess expense of Metropolitan Park System.

24. *McNamara vs. Somerville* — Before Superior Court for Middlesex County. Action for personal injuries alleged to have been received by caving in of trench for water pipe, on March 31, 1894, on Elm street.

25. *Rowe vs. Somerville* — Before Superior Court for Middlesex County. Action for personal injuries alleged to have been received on Somerville avenue, on February 28, 1894.

26. *Ahearn vs. Somerville* — Before Superior Court for Middlesex County. Action for personal injuries alleged to have been received on Curtis street, on March 2, 1894. \$650 paid in settlement, January 5, 1895.

27. *Stevens vs. Somerville* — Before Superior Court for Middlesex County. Appeal from award of damages for land alleged to have been taken for sewer.

28. *Somerville vs. Walker* — Before Superior Court for Middlesex County. Bill in equity to restrain erection of oil works.

29. *Edgecomb vs. Somerville* — Before Superior Court for Suffolk County. Action for personal injuries alleged to have been received on Washington street, on November 5, 1894.

30. *Metropolitan Sewer Commissioners vs. Somerville* — Before Supreme Judicial Court for Suffolk County. Petition for appointment of commissioners to assess expense of metropolitan sewer system.

31. *Reed vs. Somerville* — Before Superior Court for Middlesex County. Action for damages alleged to have been received from the conducting of sewerage through his premises near Mystic avenue.

32. *Stearns vs. Somerville* — Before Superior Court for Middlesex County. Appeal from award of damages for land alleged to have been taken for sewer.

In many of the cases, which came before the Committee on Claims, the petitioners were given leave to withdraw, and I need not trouble you with a recital of them, as we have not heard from them since.

All of which is respectfully submitted,

S. Z. BOWMAN,

City Solicitor.

REPORT
OF THE
CITY CLERK.

CITY OF SOMERVILLE.

IN BOARD OF ALDERMEN, January 16, 1895.

Referred to Committee on Printing, to be printed in the Annual Reports.
Sent down for concurrence.

GEORGE I. VINCENT, *Clerk.*

IN COMMON COUNCIL, January 16, 1895.

Referred to Committee on Printing, to be printed in the Annual Reports,
in concurrence.

CHARLES S. ROBERTSON, *Clerk.*

CITY OF SOMERVILLE.

OFFICE OF THE CITY CLERK, }
January 16, 1895. }

TO THE HONORABLE, THE MAYOR AND THE CITY COUNCIL : —

Gentlemen, — The following is respectfully submitted as the twenty-third annual report of the City Clerk of the city of Somerville, and is for the year ending December 31, 1894.

CASH.

The receipts and payments were as follows : —

RECEIPTS.

Balance from year 1893, being for		
dog licenses issued in December,		
1893,—1 male at \$2.00 . . .	\$2.00	
1 female at \$5.00 . . .	5.00	
	<hr/>	
	\$7.00	
Less city clerk's fees paid to the		
city treasurer in December,		
1893, 2 at \$0.20 . . . . .	.40	
	<hr/>	\$6.60
For dog licenses issued in 1894 : —		
1,227 males at \$2.00	\$2,454.00	
3 spayed at 2.00	6.00	
120 females at 5.00	600.00	
	<hr/>	3,060.00
<i>Amount carried forward</i>		<hr/> \$3,066.60

<i>Amount brought forward</i>		\$3,066.60
For recording mortgages, assignments, etc., 759 papers	\$462.75	
certificates of marriage intentions, 552 at \$0.50	276.00	
furnishing copies of records	22.75	
recording and posting naturalization notices, 2 at \$0.50	1.00	
transferring dog license . . . . .	.25	
licenses : —		
to collect junk, 33 at \$2.00	66.00	
for billiard and pool tables and bowling alleys, 3 licenses, for 10 tables and 3 alleys, 13 at \$2.00	26.00	
to auctioneers, 23 at \$2.00	46.00	
for intelligence offices, 8 at \$2.00	16.00	
to sell fireworks, 66 at \$1.00	66.00	
for amusements, 2 at \$50.00 and 55 at \$1.00	155.00	
to street musicians, 25 licenses for 46 persons at \$0.50	23.00	
for night lunch wagon stands (permits), 2 at \$2.00	4.00	
to slaughter cattle, 2 at \$1.00	2.00	
	<hr/>	1,166.75
Total receipts		<hr/> \$4,233.35 <hr/>

PAYMENTS.

To Joseph O. Hayden, county treasurer, June 1 and December 1, receipts for dog licenses from December 1, 1893, to November 30, 1894, both inclusive, 1,225 males at \$2.00	\$2,450.00
<i>Amount carried forward</i>	<hr/> \$2,450.00

<i>Amount brought forward</i>	.	.	\$2,450.00	
3 spayed at 2.00	.	.	6.00	
121 females at 5.00	.	.	605.00	
			<u>\$3,061.00</u>	
Less city clerk's fees, 1,349 at \$0.20	.	.	269.80	
			<u>\$2,791.20</u>	
To John F. Cole, city treasurer, monthly, city clerk's fees for issuing dog licenses, 1,350 at \$0.20			\$270.00	
All the "receipts" above specified, except for dog licenses	.	.	1,166.75	
			<u>1,436.75</u>	
Total payments	.	.		<u>\$4,227.95</u>
Balance, January 1, 1895,—				
receipts for dog licenses issued in December,—				
3 males at \$2.00	.	.	\$6.00	
Less city clerk's fees paid to city treasurer, 3 at \$0.20	.	.	.60	
			<u>\$5.40</u>	

BIRTHS.

Number of births in Somerville in 1894 registered	.	.	1,385
More than previous year	.	.	87
Males	.	.	704
Females	.	.	681
		<u>1,385</u>	
Born of American parents	.	.	507
“ foreign parents	.	.	587
“ American father and foreign mother	.	.	141
“ foreign father and American mother	.	.	143
“ parents of unknown nationality	.	.	1
“ American mother, and father of unknown nationality	.	.	4
“ foreign mother, and father of unknown nationality	.	.	2
		<u>1,385</u>	
Number of cases of twins	.	.	9

MARRIAGES.

Number of intention certificates issued	552
More than previous year	20
Marriages registered	574
More than previous year	2
Both parties American	274
“ foreign	162
American groom and foreign bride	73
Foreign groom and American bride	65
	<hr/> 574 couples
First marriage of	1,045
Second marriage of	96
Third marriage of	7
	<hr/> 574 couples
Oldest groom aged	65
Oldest bride aged	66
Youngest groom aged	18
Youngest bride aged	17
Youngest couple aged, —	
Groom	18
Bride	19

DEATHS.

Number of deaths in Somerville in 1894	873
More than previous year	71
Males	424
Females	449
	<hr/> 873
Under 10 years of age	354
Between 10 and 20 years of age	26
“ 20 “ 30 “ “	65
“ 30 “ 40 “ “	62
“ 40 “ 50 “ “	55
“ 50 “ 60 “ “	87
“ 60 “ 70 “ “	83
“ 70 “ 80 “ “	93
“ 80 “ 90 “ “	43
“ 90 “ 100 “ “	5
	<hr/> 873

Age of oldest person deceased		98
Born in Somerville	296	
Born in other places in the United States	351	
Of foreign birth	222	
Birthplace unknown	4	
	<hr/>	873
Number of deaths in January	82	
“ “ February	68	
“ “ March	78	
“ “ April	58	
“ “ May	76	
“ “ June	55	
“ “ July	89	
“ “ August	77	
“ “ September	68	
“ “ October	70	
“ “ November	72	
“ “ December	80	
	<hr/>	873

The number of stillbirths recorded during the year was 45.

The causes of death may be found in the report of the Board of Health.

VOTERS.

MEN'S LISTS.

WARD.	PRECINCT.	Dec. 1, 1893.	Revised Lists of September 10, 1894.	Added in Sept. and Oct., 1894.	Oct. 25, 1894.	Added in Nov., 1894.	Nov. 20, 1894.	Voted Nov. 6, 1894.	Voted Dec. 4, 1894.
Ward 1 .	Precinct 1	373	326	34	360	1	361	280	197
" 1 .	" 2	352	297	30	327	—1	326	260	199
" 1 .	" 3	478	407	48	455		455	334	215
" 1 .	" 4	386	329	25	354		354	254	133
		1,589	1,359	137	1,496		1,496	1,128	744
Ward 2 .	Precinct 1	565	521	51	572	2	574	432	338
" 2 .	" 2	602	536	53	589	2	591	464	349
" 2 .	" 3	338	307	25	332	1	333	261	151
" 2 .	" 4	563	464	49	513	2	515	383	209
" 2 .	" 5	402	331	30	361	1	362	273	151
		2,470	2,159	208	2,367	8	2,375	1,813	1,198
Ward 3 .	Precinct 1	637	570	93	663	2	665	477	382
" 3 .	" 2	445	402	52	454	2	456	329	261
" 3 .	" 3	545	514	63	577	5	582	465	379
" 3 .	" 4	464	458	92	550	4	554	408	303
		2,091	1,944	300	2,244	13	2,257	1,679	1,325
Ward 4 .	Precinct 1	438	408	35	443		443	342	245
" 4 .	" 2	392	355	70	425		425	322	187
" 4 .	" 3	397	367	28	395	1	396	326	210
" 4 .	" 4	566	526	86	612	3	615	458	304
		1,793	1,656	219	1,875	4	1,879	1,448	946
City . .	. . . .	7,943	7,118	864	7,982	25	8,007	6,068	4,213

WOMEN'S LISTS.

WARD.	PRECINCT.	Dec. 1, 1893.	Revised Lists of Oct. 25, 1894.	Added in Nov. 1894.	Nov. 20, 1894.	Voted Dec. 4, 1894.
Ward 1 . . .	Precinct 1 . . .	2	1		1	1
" 1 . . .	" 2 . . .	1	1		1	1
" 1 . . .	" 3 . . .	3	2	1	3	3
" 1 . . .	" 4 . . .					
		6	4	1	5	5
Ward 2 . . .	Precinct 1 . . .	3	1	4	5	4
" 2 . . .	" 2 . . .	7	1	4	5	3
" 2 . . .	" 3 . . .					
" 2 . . .	" 4 . . .	1				
" 2 . . .	" 5 . . .	1				
		12	2	8	10	7
Ward 3 . . .	Precinct 1 . . .	3	2	8	10	10
" 3 . . .	" 2 . . .	8	3	4	7	5
" 3 . . .	" 3 . . .	10	8	2	10	6
" 3 . . .	" 4 . . .	4	4	4	8	7
		25	17	18	35	28
Ward 4 . . .	Precinct 1 . . .	9	8	3	11	11
" 4 . . .	" 2 . . .	3	2		2	
" 4 . . .	" 3 . . .	1	2	5	7	5
" 4 . . .	" 4 . . .	5	3	6	9	7
		18	15	14	29	23
City . . . . .	. . . . .	61	38	41	79	63

Herewith are presented copies of ordinances passed since the printing of the last annual reports.

GEORGE I. VINCENT,

City Clerk.

ORDINANCES.

CITY OF SOMERVILLE.

March 23, 1895.

The following ordinances have been adopted since the printing of the Annual Reports for the year 1893.

GEORGE I. VINCENT, *City Clerk.*

CITY OF SOMERVILLE.

No. 51.

AN ORDINANCE IN RELATION TO THE INSTITUTION OF INSTRUCTION FOR TRUANTS.

Be it ordained by the City Council of the City of Somerville, as follows : —

Section 1. Section eight of chapter thirteen of the Revised Ordinances of 1891 is hereby amended by striking out the words "The Lowell Institution for the Reformation of Juvenile Offenders, at Lowell," and inserting in place thereof, the words, "The Truant School at North Chelmsford," so that, as amended, said section will read as follows : Section 8. The Truant School at North Chelmsford, County of Middlesex, State of Massachusetts, is hereby assigned and provided as the institution of instruction mentioned in the seventh section of this ordinance.

Section 2. This ordinance shall take effect upon its passage.

Approved October 16, 1894.

No. 52.

AN ORDINANCE IN RELATION TO THE INSTITUTION OF INSTRUCTION FOR TRUANTS.

Be it ordained by the City Council of the City of Somerville, as follows :

Section 1. An ordinance entitled "An Ordinance in Relation to the Institution of Instruction for Truants," passed to be ordained by

the Common Council, October 11, 1894, and by the Board of Aldermen, October 16, 1894, and approved by the Mayor, October 16, 1894, is hereby repealed.

Section 2. Section eight of chapter thirteen of the Revised Ordinances of 1891 is hereby amended by striking out the words, "The Lowell Institution for the Reformation of Juvenile Offenders at Lowell, County of Middlesex, State of Massachusetts," and inserting in place thereof, the words, "The Middlesex County Truant School at Chelmsford," so that, as amended, said section will read as follows: Section 8. The Middlesex County Truant School at Chelmsford is hereby assigned and provided as the institution of instruction mentioned in the seventh section of this ordinance.

Section 3. This ordinance shall take effect upon its passage.

Approved December 12, 1894.

No. 53.

AN ORDINANCE TO AMEND CHAPTER ELEVEN OF THE REVISED ORDINANCES OF 1891, IN RELATION TO THE DUTIES OF THE BOARD OF HEALTH.

Be it ordained by the City Council of the City of Somerville, as follows:—

Section 1. Section three of chapter eleven, entitled "Board of Health," of the Revised Ordinances of 1891, is hereby amended by striking out the words "Shall make all contracts for the cleansing of private cesspools, vaults, and privies, and for the collection, carrying away, sale, and disposal of the house offal of the city," and substituting in place thereof, the words, "Shall make provision by contracts, or in such other manner as it shall deem expedient, for the cleansing of private cesspools, vaults, and privies, and for the collection, carrying away, sale, and disposal of the house offal, and the ashes and house-dirt of the city."

Section 2. This ordinance shall take effect upon its passage.

Approved December 26, 1894.

No. 54.

AN ORDINANCE TO AMEND SECTION ONE OF CHAPTER FOUR OF THE
REVISED ORDINANCES AS AMENDED BY ORDINANCE APPROVED
MAY 17TH, 1894, IN REGARD TO THE ANNUAL APPROPRIATION BILL.

Be it ordained by the City Council of the City of Somerville, as follows : —

Section 1. Section one of chapter four, entitled "Finance," of the Revised Ordinances of 1891, as amended by ordinance approved May 7th, 1894, entitled "An ordinance to amend section one of chapter four of the Revised Ordinances, in regard to the Annual Appropriation Bill," is hereby amended by inserting after the word "January," in the first clause of said section one, the words, "or February," and by striking out in the second clause of said section one, the words, "In or before the first two weeks in the month of February," and inserting in place thereof, the words, "on or before the fifteenth day of March," and by striking out in the third clause of said section one, the words, "In or before the last two weeks in the month of February," and inserting in place thereof, the words, "on or before the first day of April."

Section 2. This ordinance shall take effect upon its passage.

Approved March 15, 1895.

No. 55.

AN ORDINANCE IN RELATION TO THE DISCHARGE OF FLOBERT RIFLES,
SO CALLED, OR AIR GUNS.

Be it ordained by the City Council of the City of Somerville, as follows : —

Section 1. Section twenty-eight of chapter fifteen, entitled "Highways," of the Revised Ordinances of 1891, is hereby amended in the first clause thereof, by inserting after the words, "Or with powder

only," the words " Or any Flobert rifle, so called, or any air gun," so that, as amended, said clause will read as follows :

"No person shall, except in the performance of some duty required of him by law, discharge any cannon, gun or pistol, or other firearm, loaded with ball or shot, or with powder only, or any Flobert rifle, so called, or any air gun ; nor shall any person fire any squib, cracker, serpent or other preparation whereof gun powder is an ingredient, or which consists wholly of the same, or make any bonfire on or upon any street or wharf within the city, except by the authority of the board of aldermen."

Section 2. This ordinance shall take effect upon its passage.

Approved March 20, 1895.

JURY LIST.

CITY OF SOMERVILLE.

IN BOARD OF MAYOR AND ALDERMEN, March 27, 1895.

ORDERED: —

That, in accordance with the provisions of Section 3, of Chapter 514 of the Acts of the Legislature of 1894, the City Clerk be, and he is hereby directed to cause to be published in the Annual Reports of 1894, the jury list of the city, as it now stands, with the address and occupation of each person whose name is on said list; the expense incurred to be covered under the contract for printing said Annual Reports.

IN BOARD OF ALDERMEN, March 27, 1895.

Read twice and adopted, and sent down for concurrence.

GEORGE I. VINCENT, *Clerk*.

IN COMMON COUNCIL, March 28, 1895.

Read twice, and adopted in concurrence.

WM. P. MITCHELL, *Clerk, pro tem.*

Approved March 29, 1895.

WM. H. HODGKINS, *Mayor.*

JURY LIST, CITY OF SOMERVILLE.

WARD 1, PRECINCT 1.

Bishop, Charles H., 5 Pearl street, engineer.
Blunt, Matthew M., 24 Lincoln avenue, draughtsman.
Burrows, Frank B., 29 Mystic avenue, bookkeeper.
Clark, Wilmer B., 8 Benedict street, jeweler.
Clarry, Hiram A., 25 Lincoln avenue, carpenter and builder.
Daniels, Gardner F., 18 Hathorn street, drug broker.
Davis, E. Lester, 8 Mt. Vernon street, burlaps, etc.
Davis, Nathaniel J. K., 13 Mt. Vernon street, bookkeeper.
Delano, John G., 72 Florence street, carpenter.
Dodge, Edwin G., 21 Benedict street, photographer.
Fuller, Edwin V., 26 Tenney court, expressman.
Gilman, Charles S., 11 Hathorn street, teamster.
Goodspeed, Oliver F., 12 Broadway place, restaurant.
Goodwin, Maxwell J., 41 Pearl street, painter.
Grimes, Alexander, 25 Austin street, teamster.
Handy, Henry A., 8 Hathorn street, compositor.
Hosmer, Frederick H., 51 Mt. Vernon street, poultry dealer.
Howe, Herbert P., 91 Perkins street, clerk.
Hutchins, William A., 16 Mt. Vernon street, shoe seam stay manufacturer.
Hutchinson, George H., 9 Broadway place, clerk.
Jenks, Charles A., 14 Benedict street, no occupation.
King, Edward, 7 Union street, shipper.
Kramer, Everett A., 110 Perkins street, clerk.
Laighton, Mark, 8 Benedict street, carpenter.
Libbey, Hebron A., 110 Perkins street, real estate agent.
Littlefield, George W., 6 Mt. Vernon street, stair builder.
Lovering, Jonathan P., 86 Myrtle street, mason and builder.
Nickerson, Charles E., 30 Franklin street, salesman.
Otis, Cushing, 51 Broadway, real estate agent.
Peck, Henry A., rear 41 Pearl street, printer.
Rowell, George H., 10 Franklin street, musician.

Seavey, Nathaniel H., 22 Mt. Vernon street, carpenter.
Snow, John C. H., 60 Mt. Vernon street, carpenter.
Starbird, Edward P., 15 Broadway place, salesman.
Stilphen, Eugene, 31 Lincoln avenue, expressman.
Stockbridge, Charles N., 11 Hathorn street, ass't auditor W. E. St. Ry. Co.
Swords, Thomas A., 129 Perkins street, insurance agents.
Toothaker, Rolan H., 10 Mystic avenue, milk dealer.
Treadwell, Albert L., 117 Perkins street, clerk.
White, Charles M., 48 Mystic avenue, bookkeeper.
Wiley, Benjamin S., 15 Benedict street, teamster.
Wisner, George, 6 Mt. Vernon street, gate tender B. & M. R. R.

WARD 1, PRECINCT 2.

Ames, Frank E., 80 Cross street, clerk.
Bartlett, Frank D., 30 Rush street, engineer.
Bean, James S., 7 Bean court, carpenter.
Bearse, Edwin W., 43 Cutter street, restaurant.
Bowers, Frank H., 47 Franklin street, painter.
Byam, William A., 117 Pearl street, soap maker.
Chapman, Henry T. G., 42 Cross street, bookkeeper.
Chase, Frederick D., 6 Ellsworth street, pattern maker.
Clapp, George H., 20 Webster street, foreman.
Colgate, Charles H., 92 Glen street, extract manufacturer.
Cowles, Albert S., 94 Broadway, grocer.
Crosby, Warren A., 32 Rush street, fish market.
Davis, Charles S., 94 Pearl street, electrician.
Davis, Fred E., 85 Pearl street, bookkeeper.
Eccles, William F., 100 Broadway, upholsterer.
Emerson, William J., 104 Broadway, boots and shoes.
Fitz, George H., 45 Franklin street, clerk.
Francis, Weston O., 16 Webster street, carpenter.
Giles, Charles E., 24 Webster street, milkman.
Goodspeed, William H., 37 Rush street, dining room.
Hammett, Charles R., 110 Broadway, printer.
Hartwell, Walter C., 6 Cross street, bookkeeper.
Horton, Walter E., 49 Franklin street, trunk manufacturer.
Houghton, Edgar W., 3 Hillside avenue, wholesale provision dealer.
Jones, Harry W., 5 Ellsworth street, clerk.
Joslin, Charles E., 33 Webster street, commission merchant.
Knowles, Cyrus B., 38 Glen street, grocer.
Leonard, Eugene C., 107 Pearl street, ladies' tailor.
Littlefield, William E., 95 Pearl street, insurance agent.
Lombard, Henry F., 114 Pearl street, clothing dealer.

Loveless, Wallace E., 47 Glen street, teamster.
 Lund, John Q., 13 Cutter street, printer.
 Nichols, John D., 88 Glen street, salesman.
 Perkins, Francis C., 81 Pearl street, salesman.
 Pratt, Josiah N., 33 Franklin street, manager.
 Prescott, Anson E., 73 Pearl street, plumber.
 Prichard, George W., 1 Bean court, teamster.
 Remick, George W., 16 Cutter street, stucco worker.
 Robinson, William F., 84 Pearl street, artist.
 Scott, Daniel B., 92 Cross street, boot maker.
 Stodder, William H., 51 Webster street, milkman.
 Tarbox, Horace E., 30 Austin street, brick mason.
 Thompson, James E., 36 Webster street, electric light trimmer.
 Tompkins, Charles H., 2 Austin street, locksmith.
 Turner, William O., 85 Pearl street, bookkeeper.
 Whitton, David E., 78 Pearl street, manufacturer mariners' compasses.
 Willard, George F., 15 Franklin street, real estate agent.

WARD 1, PRECINCT 3.

Adler, Jacob, 33 Knowlton street, machinist.
 Appleton, Frank, 96 Cross street, jeweler.
 Ashworth, John, 104 Cross street, mechanical draughtsman.
 Benson, Samuel B., 30A Tufts street, grocer.
 Colbath, J. Howard, 193 Medford street, janitor.
 Dowd, Richard, 30 Pinckney street, stove dealer.
 Fisher, Frederick L., 1 Washington street, travelling salesman.
 Fosdick, Andrew J., 29 1-2 Alston street, agent.
 Fosdick, Frederick S., 29 1-2 Alston street, collector.
 Galletly, Henry, 7 Franklin avenue, cordage manufacturer.
 Gill, Joseph W., 6 Dell street, fish dealer.
 Goldthwaite, Jerome I., 82 Mt. Vernon street, clerk.
 Harris, Richard J., 18 Pinckney street, fruit dealer.
 Henderson, Benjamin H., 60 Franklin street, foreman.
 Henderson, William C., 85 Mt. Vernon street, agent.
 Kelley, John D., 11 Franklin avenue, painter.
 Longfellow, William F., 44 Pearl street, teamster.
 Lovell, Edgar R., 11 Pinckney street, grocer.
 Mann, Alfred E., 3 Washington avenue, undertaker.
 Manser, James E., 69 Myrtle street, watchman.
 Mason, Seth, 13 Alston street, collector.
 Mills, Arthur B., rear 10 Tufts street, clerk.
 Munroe, James, 91 Washington street, carpenter.
 Nealley, Edwin F., rear 109 Glen street, salesman.

Palmer, Harold P., 40 Flint street, bookkeeper.
Peterson, Edward T., 33 Franklin avenue, janitor.
Pryce, Richard E., 93 Mt. Vernon street, tinsmith.
Rich, John W., rear 81 Mt. Vernon street, agent.
Snow, Albert E., 1 Pinckney place, fish dealer.
Snow, James R., rear 3 Cottage place, fish, oysters, etc.
Stone, L. Frank, 35 Pinckney street, baker.
Upton, Henry J., 45 Florence street, rubber worker.
Wood, Charles M., 118 Cross street, no occupation.

WARD 1, PRECINCT 4.

Anderson, Peter, 34 Joy street, machinist.
Casey, Thomas F., 24 Linwood street, hacks and livery stable.
Corcoran, Timothy J., 105 Linwood street, letter carrier.
Coughlin, William J., 141 Medford street, upholsterer.
Crimmings, Timothy F., 3 Maple street, teamster and contractor.
Cunningham, Owen, 78 Washington street, contractor.
Elkins, John F., 30 Maple street, teamster and contractor.
Farrell, Patrick S., 31 Linwood street, polisher.
Haley, Thomas A., 93 Linwood street, peddler.
Harney, James H., 56 Joy street, clothing cutter.
Kelley, Michael A., 23 Joy street, clerk.
Linnehan, Cornelius, 55 Linwood street, marketman.
Lyons, Timothy J., 14 Chestnut street, horse trader.
Manning, John, 137 Medford street, safe mover.
O'Neil, Thomas, 157 Somerville avenue, at N. P. & P. Co.
Travers, Robert J., 11 Joy place, laborer.
White, Maurice J., 52 Linwood street, clerk.
Wilson, John, 108 Washington street, upholsterer.

WARD 2, PRECINCT 1.

Ball, Frederick, 6 Sanborn avenue, lumber surveyor.
Bancroft, Edward, 16 Wesley park, barrels.
Baxter, George E., 75 Boston street, lumber dealer.
Briggs, J. Albion, 59 Vinal avenue, real estate and insurance agent.
Burbank, Charles G., 8 Hamlet street, varnish manufacturer.
Butman, Wallace W., 69 Walnut street, tailor.
Clark, J. Abbott, 45 Greenville street, advertising agent "Somerville Journal."
Cutter, George W., Hotel Warren, clerk.
Dodge, Charles A., 29 Columbus avenue, clerk.
Drouet, Ernest Charles, 73 Columbus avenue, superintendent Met. Ins. Co.
Eberle, Philip, 47 Columbus avenue, boots and shoes.

Felch, Gilbert E., 21 Wesley park, provision dealer.
 Fitts, Charles N., 17 Pleasant avenue, with Somerville Citizen.
 Flint, Warren F., 18 Wesley park, stove dealer.
 Gerts, Lemuel B., 12 Grand View avenue, superintendent.
 Hartshorn, William H., 87 Munroe street, extract manufacturer.
 Hartwell, Haywood, 77 Munroe street, carpenter.
 Haven, George D., 181 Washington street, real estate.
 Johnson, Benjamin F., 12 Giles park, painter.
 Jones, Melville D., 53 Walnut street, iron goods.
 Kenny, Miah G., 51 Munroe street, clerk.
 Kimball, George A., 7 Munroe street, civil engineer.
 Lyons, Jeremiah J., 22 Aldersey street, agent.
 Merrill, Ernest W., 13 Pleasant avenue, clerk.
 Miller, Thomas, 77 Walnut street, nickel plating.
 Munroe, George A., 88 Munroe street, lumber dealer.
 O'Leary, Arthur A., 45 Vinal avenue, designer.
 Pitman, Henry W., 77 Columbus avenue, journalist.
 Priest, William R., 7 Grand View avenue, horseshoer.
 Raymond, Herbert W., 13 Wesley park, paint and oil dealer.
 Searles, Charles C., 33 Warren avenue, nurse.
 Shepard, Charles I., 62 Vinal avenue, publisher.
 Slager, Charles A., Hotel Warren, Union square, carpenter.
 Sterritt, Fred D., 68 Columbus avenue, vice-president G.W. Gale Lumber Co.
 Trull, Charles Walter, 63 Columbus avenue, machinist.
 Vinal, Arthur P., 36 Walnut street, lumber dealer.
 Wallburg, Frank, 15 Wesley park, fresco painter.
 Westgate, Frank B., 14 Thorpe place, painter.
 Whitaker, George E., 19A. Greenville street, secretary.
 Williston, Belvin T., 59 Columbus avenue, draughtsman.

WARD 2, PRECINCT 2.

Adams, Frank H., 46 Summer street, confectioner and caterer.
 Armstrong, William M., 91 Summer street, cooper.
 Bennett, Dana W., 48 Putnam street, insurance agent.
 Blaisdell, William J., 31 Quincy street, painter.
 Bowlby, James L., 70 Berkeley street, teamster.
 Brown, Albion H., 14 Putnam street, commission merchant.
 Brown, J. Horace, 65 Berkeley street, tinsmith.
 Burroughs, William Henry, 11 Landers street, carpenter.
 Chandler, Frank H., 493 Somerville avenue, clerk.
 Coker, Edward C., 43 Berkeley street, grocer.
 Cutter, David, 40 Bow street, watch repairer.
 Doten, Benjamin F., 67 Central street, compositor.

Dyer, Solomon H., 19 Berkeley street, salesman.
Elliot, Charles D., 59 Oxford street, civil engineer.
Field, Egbert L., 39 Berkeley street, travelling salesman.
Foster, Alexander, 45 Laurel street, lumber dealer.
Gregg, David A., 15 Greene street, draughtsman.
Grover, Horace N., 26 Oxford street, fruit dealer.
Hallock, William G., 22 Greene street, brush manufacturer.
Harwood, Reuben, 33 Avon street, machinist.
Hines, Alfred H., 9 Preston street, mason.
Jackman, Edward N., 111 Summer street, produce dealer.
Kelley, John, 102 Highland avenue, contractor.
Kingman, Herbert S., 34 Prescott street, butter dealer.
Kneeland, Sylvanus R., Jr., 7 Loring street, yardmaster F. R. R.
Lane, George H., 22 Berkeley street, type finisher.
Lord, William H., 6 Summer street, mason.
Maynard, Lambert M., 90 Highland avenue, milk dealer.
McLaughlin, Amos B., 104 Highland avenue, trader.
Pike, Joseph S., 51 Preston street, shipping agent.
Pratt, George A., 22 Greene street, clerk.
Robinson, George D., 46 Quincy street, carpenter and builder.
Sibley, Lincoln H., 39 Laurel street, expressman.
Smith, Eben E., 40 Summer street, clerk.
Spaulding, Henry A., 24 Quincy street, machinist.
Staniford, John W., 89 Oxford street, glassware.
Swan, Charles F., 17 Greene street, musician and hatter.
Teasdale, Charles, 86 School street, monuments.
Walker, Granville A., 9 Loring street, painter.
Wilder, Warren P., 108 Summer street, cigars.

WARD 2, PRECINCT 3.

Armstrong, William, 17 Dane street, watchman.
Atherton, Adams H., 14 Hawkins street, cooper.
Bedell, Adington D., rear 10 Carlton street, lather.
Bennett, Daniel J., 353 Washington street, harness maker.
Boynton, Amos B., 313 Washington street, salesman.
Bucknam, Davis P., 12 Vine street, mason.
Cunningham, George, Jr., 363 Washington street, painter.
Dewire, Michael B., 411 Washington street, grocer.
Dwyer, Timothy C., 318 Somerville avenue, bookkeeper.
Flynn, Dennis F., 67 Dane street, upholsterer.
Flynn, William H., 67 Dane street, real estate and insurance agent.
Greenleaf, Franklin A., 23 Lake street, paper hanger.
Guild, Frederick B., 36 Lake street, provision dealer.

Haskell, Albert L., 422 Somerville avenue, printer.
 Legallee, Charles A., 4 Olive square, plumber.
 McCue, James A., 47 Hanson street, carpet upholsterer.
 Moore, George, 45 Dane street, carpenter.
 O'Leary, David T., 14 Lake street, confectioner.
 O'Neil, Bernard, 373 Washington street, peddler.
 Pratt, Edgar J., 8 Park street, tin-plate worker.
 Reed, Edward F., 35 Union square, paper hanger.
 Streeter, George H., 19 New Church street, clerk.
 Wilkins, Albert S., 22 New Church street, carpenter.

WARD 2, PRECINCT 4.

Brine, William H. 40 Houghton street, furniture..
 Brophy, Thomas C., 17 Fremont avenue, travelling salesman.
 Carden, Peter I., 14 Kingman court, clerk.
 Clark, S. Adams, 11 Clark street, foreman.
 Cummings, Charles A., 76 Newton street, welt manufacturer.
 Cummings, Harrie R., 76 Newton street, welt maker.
 Cunningham, Thomas A., 3 Oak street, milk inspector.
 Davlin, James F., 15 Kingman court, plumbing, steam and gas-fitter.
 Ennis, William H., 16 Bowdoin street, manager.
 Fitzpatrick, Philip J., 15 Houghton street, upholsterer and janitor.
 Gilberth, Charles A., 58 Concord avenue, travelling salesman.
 Harrington, Arthur D., 26 Oak street, clerk.
 Haynes, Arthur W., 11 Parker street, salesman.
 Hooper, George W., 8 Bolton street, paper hanger.
 Ireland, Edwin, 37 Webster avenue, car painter.
 Jameson, Robert, 22 Bowdoin street, lunch and billiard hall.
 Keefe, Daniel J., 46 Springfield street, plumber.
 Kenney, John R., 19 Beacon street, teamster.
 Knowles, Benjamin H., 15 Parker street, silk hatter.
 McDonnell, Jeremiah B., 38 Concord avenue, printer.
 McKusick, Charles T., 1 Dimick street, bookkeeper.
 McKusick, Royal, 1 Dimick street, watchman.
 McLane, James A., 41 Clark street, bill poster.
 McLean, William J., 32 Concord avenue, carpenter.
 Monahan, John, 30 Line street, milk dealer.
 Munroe, Alexander, 33 Webster avenue, grocer.
 Osborne, Porter E., 76 Newton street, salesman.
 Page, George Amos, 21 Webster avenue, plumber.
 Rafferty, Thomas, 30 Oak street, plumber.
 Ray, George D., 26 Concord avenue, engineer.
 Rogers, Charles W., 14 Oak street, clerk.

Schuebeler, Charles F., 384 Washington street, jeweler.
Sewall, Charles E., 19 Webster avenue, clerk.
Shattuck, Milo P., 14 Bolton street, driver N. P. & P. Co.
Silsbee, Charles W., 87 Concord avenue, printer.
Southwick, Charles A., 28 Clark street, janitor.
Thompson, William H. J., 55 Concord avenue, carpenter.
Walsh, Terrance, 42 Oak street, watchman.
Winterbottom, Israel, 2 Bolton street, clerk.

WARD 2, PRECINCT 5.

Bassett, Albert H., 12 Webster avenue, provision dealer.
Belcher, Horace A., 12 Webster avenue, provision dealer.
Brown, Lyman H., 284 Somerville avenue, livery stable keeper.
Flynn, Edward J., 1 Tremont place, student.
Gibbs, Charles B., 6 Prospect place, foreman.
Gibbs, Eben, 43 Prospect place, painter.
Guild, Edgar A., 28 Webster avenue, salesman.
Hepburn, James, 226 Somerville avenue, grocer.
Leland, Bainbridge B., 18 Union square, news agent.
Leydon, Michael J., 8 Ward street, stone pointer.
Llewellyn, Edward J., 216 Somerville avenue, variety store and painter.
Mallahan, Thomas, 38 Medford street, laborer.
McAvoy, William J., 24 Charlestown street, vegetable peddler.
McCormack, Frederick J., rear 204 Washington street, umbrella maker.
McGonagle, John J., 14 Linden street, driver N. P. & P. Co.
McGovern, Philip E., 18 Medford street, hack and boarding stable keeper.
Molloy, John T., 8 Molloy court, cattle dealer.
Richards, George A., 118 Prospect street, diamond merchant.
Riley, Charles E., 38 Merriam street, clerk.
Spellman, Thomas, 13 Ward street, grease collector.
Staples, Mendall G., 42 Prospect street, teamster.
Thompson, Samuel Herbert, 41 Prospect street, salesman.
Walker, Irason B., 10 Union square, carriage manufacturer and repairer.

WARD 3, PRECINCT 1.

Barrett, James, 14 New Cross street, machinist.
Boyer, George R., 29 Wigglesworth street, carpenter and builder.
Brundage, Andrew G., 86 Flint street, lead glazier.
Burgess, Edward W., 59 Otis street, produce.
Burrows, Frederick U., 147 Cross street, milkman.
Buttrick, Francis L., 20 Everett avenue, clerk.
Clark, Cyrus D., 30 Everett avenue, sexton.

Curtis, Edmund W., 176 Broadway, dry goods.
 Daniels, Theodore P., 137 Pearl street, showcase maker.
 Dodge, John T., Jr., 42 Gilman street, engineer.
 Downs, Frank N., 23 Cross street, grocery and provision dealer.
 Elkins, Charles H., 18 Auburn avenue, grocer.
 Fletcher, James H., 73 Gilman street, cabinet maker.
 Gillette, Edward L., 7 Avon place, manufacturer carriage stock.
 Grant, Fred, 9 Everett avenue, expressman.
 Hanson, William H., 175 Broadway, baker.
 Harvey, Edwin O., 64 Flint street, cab driver.
 Hayden, J. Orville, 79 Cross street, auditing clerk.
 Hodgdon, Charles H., 35 Dana street, real estate agent.
 Hurn, George F., 12 Autumn street, carpenter and carpet cleaner.
 Ingalls, Wilson H., 8 Everett avenue, cooper.
 Kauler, Alfred E., 133 Cross street, provision dealer.
 King, Charles R., 107 Cross street, clerk.
 King, Martin L., 107 Cross street, grocer.
 Knapp, Henry E., 141 Walnut street, silversmith.
 Litchfield, J. Warren, 181 Broadway, milkman.
 Locke, Harry J., 55 Gilman street, clerk.
 Lowell, Howard, 46 Gilman street, hack stable and hay and grain dealer.
 Lowell, Oliver E., 37 Everett avenue, clerk.
 Martin, Alexander, 15 Aldrich street, bootmaker.
 McGregor, David L., 139 Walnut street, real estate agent.
 Mills, Hiram R., 170 Pearl street, salesman.
 Moore, Herbert C., 11 Wigglesworth street, travelling salesman.
 Ray, Frank E., 16 Virginia street, salesman.
 Ricker, John K., 14 Virginia street, carpenter and contractor.
 Shedd, Xenophon B., 86 Gilman street, chairmaker.
 Stuart, Lewis R., 21 Delaware street, variety store.
 Underhill, Charles L., 27 Aldrich street, carriage repairing and steel specialties.
 Veazie, William, 135 Walnut street, retired.

WARD 3, PRECINCT 2.

Angier, Lucius B., 77 Derby, coal and hay dealer.
 Ayers, Edward, 7 Howe street, no occupation.
 Bacon, Fred C., 78 Marshall street, clerk.
 Bailey, John T., 14 Bradley street, stationery.
 Bartlett, Edward T., 51 Marshall street, salesman.
 Bement, William B., 87 Temple street, paperhanger.
 Curtis, George W., 44 Jaques street, fish dealer.
 Davis, Albert M., 16 Chauncey avenue, teamster.

Dodd, George H., 54 Marshall street, clerk.
Dusseault, John H., 21 Mills street, ornamental carver.
Edwards, Edward H., 10 James street, chiropodist.
Flint, Arthur B., 22 Mills street, clerk.
Foster, George W., 7 Evergreen avenue, real estate agent.
Frye, Charles H., 20 Mills street, machinist.
Gage, Charles A., 32 Marshall street, clerk.
Harris, Joseph, 158 Walnut street, bookkeeper.
Miller, Herbert E., 27 Howe street, confectioner.
Morrill, Frank A., 5 Bradley street, photographer and dry goods.
Peirce, Cyrus H., 75 Marshall street, jeweler.
Perkins, George W., 79 Derby street, steam engine builder.
Pillsbury, Ernest D., 16 Mills street, railway mail clerk.
Race, Hiram G., 41 Derby street, carpenter.
Sawin, John T., 19 Stickney avenue, milkman.
Scribner, John W., 86 Marshall street, shipper.
Sellon, Henry B., 9 Stickney avenue, janitor.
Simonds, Edwin N., 47 Jaques street, milk dealer.
Small, Josiah B., 225 Pearl street, dealer in agricultural implements.
Snow, Walter H., 42 Derby street, grocery and provision dealer.
Weeks, Edgar L., 14 Evergreen avenue, clerk.
White, Henry F., 18 Grant street, silver-plate worker.
Whitney, Ervin T., 179 School street, produce dealer.

WARD 3, PRECINCT 3.

Adams, Charles, 117 Highland avenue, machinist.
Bacon, Oliver, 19 Pembroke street, clerk.
Barker, James A., 140 School street, produce dealer.
Beals, Henry M., 384 Broadway, clerk.
Bragan, Lawrence A., 39 Montrose street, freight clerk.
Burrage, Henry G., 20 Dartmouth street, cashier.
Carroll, Joseph M., 63 Jaques street, shipping clerk.
Churchill, Algernon H., 10 Thurston street, superintendent.
Clarridge, George F., 186 School street, chemist.
Clement, Herman A., 10 Tennyson street, printer.
Curtis, Joseph, 8 Richdale avenue, gas-fitter.
Cushing, Alonzo B., 3 Thurston street, drug clerk.
Dalton, Charles X., 99 Highland avenue, optical instrument maker.
Field, Orton D., 98 Jaques street, salesman.
Fisher, Arthur V., 62 Evergreen avenue, agent.
Fuller, Orlando H., 148 School street, clerk.
Gage, Burt O., 38 Dartmouth street, engineer.
Grimmons, Charles A., 72 Thurston street, salesman.

Hall, William F., 345 Broadway, accountant.
 Hatch, Arthur W., 190 School street, grocer.
 Hathaway, Henry C., 12 Pembroke street, painter.
 Hill, Willard C., 106 Sycamore street, special agent.
 Hilling, James F., 1 Essex street, clerk.
 Holden, Frank S., 153 Central street, bookkeeper.
 Hooper, Charles J., 49 Heath street, bookkeeper.
 Hyde, George B., 51 Madison street, foreman.
 Innes, Nelson J., 26 Richdale avenue, reporter.
 Irish, Thaddeus P., 3 Dartmouth street, bookkeeper.
 Jones, Harlan P., 83 Jaques street, cabinet maker.
 Kaula, Matthew, 38 Richdale avenue, pressman.
 Kennard, John F., 5 Dartmouth street, salesman.
 Keyes, Charles A., 6 Adams street, produce dealer.
 Kyle, Charles W., 101 Jaques street, mason.
 Littlefield, Samuel T., 321 Broadway, no occupation.
 Lovejoy, Benjamin P., 141 Highland avenue, furnaces.
 Lowell, James S., 52 Madison street, superintendent.
 O'Brien, Daniel P., 36 Montrose street, porter.
 Parks, States K., 3 Essex street, clerk.
 Pickthall, Richard E., 182 Central street, clerk.
 Powers, Luray C., 14 Moreland street, saw manufacturer.
 Preble, Frederick A., 55 Tennyson street, hides.
 Rand, Fred C., 39 Madison street, carpenter.
 Simes, Charles F., 53 Dartmouth street, superintendent.
 Stacy, Albert C., 3 Montrose street, foreman printer.
 Thomas, Penrose F., 396 Medford street, salesman.
 Tower, Andrew, 186 School street, bookkeeper.
 Townsend, True W., 17 Dartmouth street, real estate agent.
 Vreeland, Edward B., 121 Central street, grain and coal dealer.
 Whipple, William H., 87 Thurston street, commercial traveller.
 Willey, Clarence H., 26 Dartmouth street, hay and grain dealer.
 Willoughby, George T., 111 Central street, carpenter.

WARD 3, PRECINCT 4.

Alley, Charles S., 149 Hudson street, dealer building material.
 Andersen, Henry, 80 Albion street, ship-chandler.
 Armstrong, Thomas W., 39 Partridge avenue, sawyer.
 Baldwin, Arthur C., 29 Albion street, clerk.
 Barter, Gilmore T., 168 Albion street, butter dealer.
 Belding, Oscar H., 62 Hudson street, carpenter.
 Berry, Arthur W., 53 Hudson street, carpenter.
 Brown, Charles E., 36 Albion street, carpenter.

Carpenter, Lewis J., 3 Center street, metal spinner.
Clayton, Fred I., 454 Medford street, merchant tailor.
Coffin, Edward B., 94 Albion street, real estate and insurance agent
Dawson, Howard, 67 Albion street, clerk.
Elvedt, Mark J., 36 Ames street, salesman.
Fuller, George F., 492 Medford street, expressman.
Goddard, John J., 100 Central street, bookkeeper.
Gray, Henry, 65 Murdock street, teamster.
Griffiths, William F., 95 Vernon street, butter and eggs dealer.
Hale, C. Warner, 90 Central street, tailor.
Hands, Frederick W., 38 Albion street, watchmaker.
Higgins, Frederick W., 75 Hudson street, salesman.
Huse, George W. S., 19 Albion street, teamster.
Jones, Edward L., 50 Vernon street, clerk.
Jones, William P., 50 Vernon street, reporter.
Keeler, Charles W., 128 Central street, bookkeeper.
Little, John K., 93 Hudson street, bookkeeper.
Lorentzen, Henry, 18 Waldo street, lock expert.
McKenna, George F., 292 Lowell street, undertaker.
Miller, Charles N., 87 Jenny Lind avenue, confectioner.
Pearson, Edwin H., 91 Jenny Lind avenue, engineer.
Peirce, Abner F., 26 Bartlett street, salesman.
Perry, William A., 56 Albion street, fireman (O. C. R. R.)
Porter, Frank E., 69 Partridge avenue, stenographer.
Pratt, Ransom D., 76 Albion street, adv. agent.
Prime, George W., 78 Partridge avenue, painter.
Richardson, Homer L., 88 Albion street, compositor.
Robie, Albert E., 56 Vernon street, clerk.
Sallaway, Thomas D., 51 Trull street, salesman.
Schepmoes, Joseph S., 44 Vernon street, printer.
Shaw, William H., 92 Central street, clerk.
Stacey, George W., 14 Albion street, clerk.
Sturtevant, Albert S., 31 Robinson street, baggage master.
Thacher, Cyrus, 15 Albion street, produce dealer.
Valentine, Edward K., 5 Miner street, clerk.
White, Joseph A., 150 Hudson street, carpenter.
Wilkins, George F., 98 Central street, freight forwarder.
Williams, Frank G., 37 Albion street, milk dealer.
Wilson, John R., 60 Albion street, carpenter.

WARD 4, PRECINCT 1.

Ayer, Fred C., 160 Highland avenue, wood and lumber dealer.
Buckley, Patrick, 31 Porter street, furniture manufacturer.

Bullard, Charles H., 3 Park street, clerk.
 Clark, Isaac H., 49 Brastow avenue, mechanical engineer.
 Colby, Luther, 217 Beacon street, janitor.
 David, James B., 78 Belmont street, no occupation
 DeCoster, Verin, 43 Lowell street, salesman.
 Egerton, Wales L., 61 Beach street, no occupation.
 Gale, Charles, 10 Brastow avenue, cabinet maker.
 Gibby, Robert H., Jr., 26 Mondamin court, coppersmith.
 Good, Thomas, 30 Brastow avenue, salesman.
 Gordon, George A., 54 Belmont street, agent.
 Holt, Harry, 107 Porter street, carpenter.
 Joy, Alden B., 20 Belmont street, carpenter.
 Keating, Charles, 229 Summer street, compositor.
 Lynch, James B., 571 Somerville avenue, boot and shoe maker.
 McDermott, Daniel W., 590 Somerville avenue, painter.
 Mongan, Manasses P., 1 Garden court, salesman.
 O'Neil, Edward T., 20 Kent court, furniture polisher.
 Peake, Benjamin W., 62 Central street, bookkeeper.
 Peckham, George W., 17 Cambria street, real estate agent.
 Pitman, Charles B., York terrace, civil engineer.
 Prindle, James D., Jr., 179 Summer street, teacher of languages.
 Proctor, Amos L., 54 Spring street, grocer.
 Pushee, John C., 22 Harvard place, brush manufacturer.
 Quinlan, John J., 607 Somerville avenue, trunk maker.
 Robinson, Charles T., 21 Park street, brass finisher.
 Spring, John C., 23 Craigie street, clerk.
 Turner, Hiram, 16 Gibbens street, clerk.
 Wall, William E., 14 Morgan street, grainer.

WARD 4, PRECINCT 2.

Bucknam, William E., 341 Beacon street, mason.
 Bunten, Frederick R., 38 Cherry street, feather duster manufacturer.
 Chase, George H., 45 Cherry street, clerk.
 Crawford, J. Arthur, 19 Eastman place, carpenter.
 Currier, James H., 9 Mossland street, manager.
 Dawes, Henry L., 8 Ashland street, confectioner.
 Finnon, James R., 36 Porter street, plumber.
 Foster, Jacob, 25 Cherry street, no occupation.
 Friend, Frederick W., 22 Hancock street, plasterer.
 Hayward, Waldo B., 21 Cherry street, clerk.
 Hayward, Wales A., 21 Cherry street, no occupation.
 Jones, Enoch B., 13 Hall street, painter.
 Kendall, George F., 44 Cedar street, clerk.

Lacy, Patrick, 63 Cherry street, mason.
Lakin, George W., 67 Cedar street, insurance agent.
Locke, John A., 78 Cedar street, carpenter.
Lomax, George H., 7 Miller street, real estate.
Lynch, William, 33 Cedar street, no occupation.
McDonald, William M., 70 Cedar street, wholesale beef dealer.
McFarland, Chester S., 21 Cedar street, commission merchant.
Mink, Louis, 85 Elm street, no occupation.
Nye, Thomas V. B., 51 Cedar street, bookkeeper.
Sherman, Thomas B., 65 Cedar street, no occupation.
Skelton, Barnett T., 5 Banks street, builder.
Story, Isaac M., 250 Summer street, civil engineer.

WARD 4, PRECINCT 3.

Arnold, William H., 249 Elm street, no occupation.
Baker, Osmon D., 33 Day street, travelling salesman.
Barker, William H., 367 Summer street, jeweler.
Bowers, Frank E., 57 Orchard street, milkman.
Bowers, Harrison G. O., 249 Elm street, no occupation.
Butters, Horace B., 20 St. James avenue, foreman.
Crowell, Thomas H., 24 Cottage avenue, machinist.
Cummings, Silas L., 251 Elm street, livery stable keeper.
Dupont, John B., 9 Whipple street, hardware dealer.
Dyer, Charles P., 14 Herbert street, salesman.
Ellis, Franklin E., 16 Day street, travelling salesman.
Felt, Irwin G., 62 Morrison street, wheelwright.
Flanders, Albert F., 16 Day street, manager.
Gilman, John W., 14 Clifton street, salesman.
Grant, Edwin T., 12 Medina building, Elm street, fruit dealer.
Haskell, Barnabas D., Jr., 19 Chester street, dry goods dealer.
Hazeltine, Channing, 88 Orchard street, real estate agent.
Kennedy, Clifton A., 425 Highland avenue, car conductor.
Lambert, John B., 21 Kidder avenue, salesman.
Leighton, John H., 14 St. James avenue, assistant superintendent.
Littlefield, George E., 16 Chester, bookseller.
McGrath, Philip J., 347 Elm street, manager.
McKee, Andrew H., 20 Cottage avenue, potter.
Miner, Robert A., 56 Chester street, no occupation.
Patch, Charles A., 12 Grove street, provision dealer.
Puffer, David, Jr., 24 Hall avenue, produce dealer.
Rhoades, Solomon, 410 Highland avenue, grocer.
Russell, Edward B., 19 Russell street, bookbinder.
Trefren, George W., Jr., 15 Morrison street, carpenter.

Vose, Charles H., 78 Morrison street, salesman.
White, Frederick A., 72 Dover street, shipper.
Wilkins, Samuel H., 103 Orchard street, beef dealer.
Wing, Lingan C., 104 Orchard street, machines.
Young, Joseph D., 7 Medina building, Elm street, gold and silver engraver.

WARD 4, PRECINCT 4.

Atwell, Horace F., 7 Newbury street, stove polish.
Balch, Frederick, 206 Holland street, carpenter.
Clark, Augustus O., 14 Kingston street, clerk.
Collieson, Samuel A., 46 Wallace street, leather.
Comee, Edgar F., 54 Chandler street, travelling salesman.
Conant, George H., 8 Park avenue, no occupation.
Cummings, George W., 51 Wallace street, driver.
Cummings, Guy P., 47 Wallace street, printer.
Dunning, George C., 86 Irving street, wood and coal dealer.
Earle, Charles A., 87 Irving street, boot and shoe dealer.
Eastman, James B., 38 Chandler street, grocery and provision dealer.
Fay, Henry C., Jr., 10 Wallace street, engraver.
Gaffney, William H., 13 Elmwood street, fish dealer.
Heald, W. Irving, 86 Chandler street, hardware dealer.
Hill, Alfred S., 124 Holland street, student.
Hunter, Clarence, 34 Newbury street, carpenter.
Ladd, Frank P., 5 Moore street, superlative food.
Libby, Frederick W., 46 Moore street, picture frame maker.
Merrill, Frank E., 47 Fairmount avenue, clerk.
Otis, Charles E., 1252 Broadway, carpenter.
Pierce, Granville T., 33C Dover street, gypsy moth exterminator.
Russell, Irving L., 1323 Broadway, farmer.
Salls, Edwin S., 77 Chandler street, travelling salesman.
Savage, William B., 25 Fairmount avenue, furniture dealer.
Smith, Elliott C., 25 Irving street, bookkeeper.
Snow, Winsor L., 42 Curtis street, hardware and plumber.
Stevens, John H., 11 Park avenue, carpenter and builder.
Terry, J. Frank, 380 Elm street, photo. finisher.
Thurston, Ira M., 37 Campbell park, bricklayer.
True, Harry A., 140 Holland street, real estate agent and asst. city assessor.
Young, David, 29 Endicott avenue, slater.

CITY GOVERNMENT AND OFFICERS

FOR 1895.

CITY GOVERNMENT AND OFFICERS FOR 1895.

MAYOR.

WILLIAM H. HODGKINS,
188 Central street.

BOARD OF ALDERMEN.

EDMUND S. SPARROW, *President*.

WARD ONE.

ISAIAH H. WILEY	54 Mt. Vernon street
WILFRED B. RICH	13 Franklin street

WARD TWO.

FRED W. GILBERT	101 School street
MELVILLE D. JONES	53 Walnut street

WARD THREE.

CALVIN H. WHITNEY	68 Gilman street
LEONARD B. CHANDLER	45 Jaques street

WARD FOUR.

EDMUND S. SPARROW	18 Meacham street
BENJAMIN J. DOWNS	5 Claremon street

CLERK.

GEORGE I. VINCENT.

COMMON COUNCIL.

L. HERBERT HUNTLEY, *President*.

WARD ONE.

L. HERBERT HUNTLEY	.	.	.	.	1 Pearl street
ALBERT C. FAIRBANKS	.	.	.	.	91 Perkins street
JOSIAH N. PRATT	.	.	.	.	33 Franklin street
F. DEWITT LAPHAM	.	.	.	.	3 Hathorn street

WARD TWO.

FREDERICK W. PARKER	.	.	.	.	65 Boston street
WILLIAM M. IRVING	.	.	.	.	82 Summer street
GEORGE E. WHITAKER	.	.	.	.	19A Greenville street
ROBERT S. WRIGHT	.	.	.	.	11 Summit avenue

WARD THREE.

HERBERT L. CLARK	.	.	.	.	124 Sycamore street
JAMES M. ANDREWS	.	.	.	.	172 Broadway
JAMES G. HINCKLEY	.	.	.	.	254 School Street
ANDREW A. LAMONT	.	.	.	.	43 Heath street

WARD FOUR.

WILLIAM H. BERRY	.	.	.	.	39 Cherry street
JOHN N. BALL	.	.	.	.	690 Broadway
HOWARD D. MOORE	.	.	.	.	73 Curtis street
ELMER A. STEVENS	.	.	.	.	84 Morrison street

CLERK.

CHARLES S. ROBERTSON.

JOINT STANDING COMMITTEES OF THE CITY COUNCIL.

ACCOUNTS.—Aldermen Chandler and Rich; Councilmen Pratt, Whitaker and Stevens.

CITY ENGINEERING.—Aldermen Gilbert and Sparrow; Councilmen Fairbanks, Hinckley and Irving.

CLAIMS.—His Honor, the Mayor, and Alderman Rich; the President of the Common Council, Councilmen Wright and Moore.

FINANCE.—His Honor, the Mayor, Aldermen Whitney and Jones; the President of the Common Council, Councilmen Fairbanks, Parker, Clark and Moore.

FIRE DEPARTMENT.—Aldermen Wiley and Sparrow; Councilmen Berry, Huntley and Lamont.

FUEL AND STREET LIGHTS.—Aldermen Chandler and Downs; Councilmen Hinckley, Wright and Lapham.

HIGHWAYS.—Aldermen Gilbert and Whitney; Councilmen Berry, Clark and Lapham.

LEGISLATIVE MATTERS.—His Honor, the Mayor, and Alderman Gilbert; the President of the Common Council, Councilmen Wright and Moore.

ORDINANCES.—Aldermen Rich and Chandler; Councilmen Hinckley, Whitaker and Ball.

PRINTING.—Aldermen Rich and Downs; Councilmen Ball, Irving and Lamont.

PUBLIC GROUNDS.—Aldermen Jones and Wiley; Councilmen Fairbanks, Stevens and Andrews.

PUBLIC PROPERTY.—Aldermen Sparrow and Chandler; Councilmen Pratt, Parker and Andrews.

SOLDIERS' RELIEF.—Aldermen Jones and Chandler; Councilmen Berry, Pratt and Andrews.

WATER.—Aldermen Downs and Whitney; the President of the Common Council, Councilmen Ball and Irving.

STANDING COMMITTEES OF THE BOARD OF ALDERMEN.

ELECTIONS. — Aldermen Wiley, Chandler and Sparrow.

ENROLLED ORDINANCES AND RESOLUTIONS. — Aldermen Jones, Downs and Wiley.

LICENSES. — Aldermen Whitney, Downs and Jones.

POLICE. — Aldermen Wiley and Sparrow.

SEWERS. — Aldermen Sparrow, Gilbert and Whitney.

STATE AID. — Aldermen Downs, Gilbert, Whitney and Rich.

SPECIAL BUILDING PERMITS. — Aldermen Gilbert and Wiley.

STANDING COMMITTEES OF THE COMMON COUNCIL.

ELECTIONS AND RETURNS. — Councilmen Parker, Lamont and Lapham.

ENROLLED ORDINANCES AND RESOLUTIONS. — Councilmen Clark, Whitaker and Stevens.

SCHOOL COMMITTEE.

WILLIAM H. HODGKINS, Mayor, *Chairman, ex officio.*

L. HERBERT HUNTLEY, President of the Common Council, *ex officio.*

(Term, three years.)

WARD ONE.

S. NEWTON CUTLER (elected 1894).

SANFORD HANSCOM, M. D. (elected 1893).

GEORGE S. POOLE (elected 1892).

WARD TWO.

THOMAS M. DURELL, M. D. (elected 1893).

ALVAH B. DEARBORN, M. D. (elected 1894).

HERBERT A. CHAPIN (elected 1892).

WARD THREE.

QUINCY E. DICKERMAN (elected 1892).

THOMAS S. WENTWORTH (elected 1893).

FRANK H. HARDISON (elected 1894).

WARD FOUR.

GILES W. BRYANT, M. D. (elected 1892).

MARTIN W. CARR (elected 1893).

GEORGE A. MILES, M. D. (elected 1894).

GORDON A. SOUTHWORTH, *Superintendent and Secretary.*

ASSESSORS.

(Term, three years.)

BENJAMIN F. THOMPSON, *Chairman* (term expires 1896).

SAMUEL T. RICHARDS (term expires 1898).

NATHAN H. REED (term expires 1897).

Clerk of Assessors, ALBERT B. FALES.

ASSISTANT ASSESSORS.

(Term, one year.)

WARD ONE.

FRED. B. CLAPP.

WARD TWO.

CHARLES C. FARRINGTON.

WARD THREE.

EDGAR T. MAYHEW.

WARD FOUR.

HARRY A. TRUE.

BOARD OF HEALTH.

(Term : City Physician, three years ; other members, two years.)

ALVANO T. NICKERSON, *Chairman* (term expires 1896).

ALVAH B. DEARBORN, M. D., City Physician (term expires 1898).

ALLEN F. CARPENTER (term expires 1897).

Clerk, WILLIAM P. MITCHELL.

Inspector, CALEB A. PAGE.

Superintendent Collection of Ashes and Offal, ROBERT DUDDY.

OVERSEERS OF THE POOR.

Office, Police Building, Bow Street.

WILLIAM H. HODGKINS, Mayor, *Chairman, ex officio.*

(Term, four years.)

EDWARD B. WEST, *President* (term expires 1899).

ALBERT W. EDMANDS (term expires 1897).

HERBERT E. MERRILL (term expires 1898).

EZRA D. SOUTHER (term expires 1896).

Agent, CHARLES C. FOLSOM.

Secretary, CORA F. LEWIS.

SOMERVILLE MYSTIC WATER BOARD.

Office, Prospect Street, corner Somerville Avenue.

(Term, three years.)

GEORGE D. WEMYSS, *President* (term expires 1897).
5 Austin Street.

GEORGE A. KIMBALL (term expires 1898).
7 Munroe Street.

WILLIAM FRANKLIN HALL (term expires 1896).
345 Broadway.

NATHANIEL DENNETT, *Supt. Water Works.*
FRANK E. MERRILL, *Clerk.*

REGISTRARS OF VOTERS.

(Term : City Clerk, one year ; other members, three years.)

CROMWELL G. ROWELL, *Chairman* (term expires 1897).

CHARLES P. LINCOLN (term expires 1898).

CHARLES E. PARKS (term expires 1896).

GEORGE I. VINCENT, *City Clerk.*

TRUSTEES OF THE PUBLIC LIBRARY.

(Term, three years.)

CHARLES S. LINCOLN, *Chairman* (term expires 1897).

CHARLES A. WEST (term expires 1898).

JOHN B. VIALI (term expires 1896).

J. HENRY FLITNER (term expires 1898).

CHRISTOPHER E. RYMES (term expires 1897).

ELIJAH C. CLARK (term expires 1898).

CHARLES H. BROWN (term expires 1897).

J. FRANK WELLINGTON (term expires 1896).

CHARLES W. SAWYER (term expires 1896).

JOHN S. HAYES, *Librarian and Secretary*.

CITY CLERK AND CLERK OF BOARD OF ALDERMEN.

GEORGE I. VINCENT.

CITY TREASURER AND COLLECTOR OF TAXES.

JOHN F. COLE.

MESSENGER TO CITY COUNCIL.

JAIRUS MANN.

CITY SOLICITOR.

SELWYN Z. BOWMAN.

CITY AUDITOR.

CHARLES S. ROBERTSON.

CITY ENGINEER.

HORACE L. EATON.

SUPERINTENDENT OF STREETS

THOMAS H. EAMES.

INSPECTOR OF BUILDINGS AND SUPERINTENDENT OF
PUBLIC BUILDINGS.

THOMAS R. ROULSTONE.

CHIEF OF POLICE.

MELVILLE C. PARKHURST.

CHIEF ENGINEER OF THE FIRE DEPARTMENT.

JAMES R. HOPKINS.

SUPERINTENDENT OF ELECTRIC LINES AND LIGHTS.

LEIGHTON W. MANNING.

CITY PHYSICIAN.

ALVAH B. DEARBORN, M: D.

INSPECTOR OF MILK AND VINEGAR.

THOMAS CUNNINGHAM.

INSPECTOR OF ANIMALS AND PROVISIONS.

THOMAS CUNNINGHAM.

SEALER OF WEIGHTS AND MEASURES.

AMMIEL COLMAN.

CLERK OF COMMITTEES.

WILLIAM P. MITCHELL.

CLERK OF ASSESSORS.

ALBERT B. FALES.

Suitable Persons to Cause to be Properly Interred the Bodies of
Honorably Discharged Soldiers, Sailors, and Marines,
Under Chapter 395, Acts of 1889.

JESSE J. UNDERHILL.

JAMES F. DAVLIN.

CONSTABLES.

JAIRUS MANN.

ROBERT R. PERRY.

CHARLES C. FOLSOM.

EDWARD McGARR.

CHRISTOPHER C. CAVANAGH

EUGENE A. CARTER.

PATRICK J. GARVIN.

JOHN B. McKENNA.

MELVILLE C. PARKHURST.

WILLIAM D. HAYDEN.

JOSEPH J. GILES.

DENNIS KELLEY.

CHARLES L. ELLIS.

CLARENCE TUCKER.

GEORGE H. CARLETON.

JOSEPH W. CURRANT.

FENCE VIEWERS.

LAMBERT M. MAYNARD.

AMMIEL COLMAN.

MEASURER OF WOOD AND BARK.

SAMUEL T. LITTLEFIELD.

MEASURERS OF GRAIN.

JOHN CRAIG.

ALBERT C. LYMAN.

PUBLIC WEIGHER IN CHARGE OF CITY SCALES, UNION
SQUARE.

FULTON O'BRION.

WEIGHERS OF COAL.

JOHN CRAIG.	D. WARNER DANFORTH.
GEORGE K. WALCOTT.	THADDEUS HARRINGTON.
CHARLES H. TUCKER.	CLINTON E. SOMES.
GEORGE E. SLACK.	EDWARD L. DUNNING.
GEORGE E. NEWCOMB.	WILLIAM I. NEWCOMB.
AMMIEL COLMAN.	SIDNEY E. HAYDEN.
ROBERT A. YERXA.	IRWIN L. SMITH.

WEIGHERS OF BEEF.

D. WARNER DANFORTH.	THADDEUS HARRINGTON.
CHARLES H. TUCKER.	GEORGE K. WALCOTT.
FREDERICK A. GEILING.	GEORGE E. SLACK.
CLARENCE EDWARDS.	CLINTON E. SOMES.

POLICE DEPARTMENT.

MELVILLE C. PARKHURST, *Chief.*

ROBERT R. PERRY, <i>Captain.</i>	EDWARD McGARR, <i>Sergt.</i>
CHRIS. C. CAVANAGH, <i>Sergt.</i>	DENNIS KELLEY, <i>Sergt.</i>
EUGENE A. CARTER, <i>Sergt.</i>	PHINEAS W. SKINNER.
JOHN E. FULLER.	SAMUEL A. BROWN.
ALBION L. STAPLES.	JOHN HAFFORD.
JUDSON W. OLIVER.	GEORGE A. BODGE.
GEORGE W. BEAN.	GEORGE H. CARLETON.
GEORGE L. SMITH.	HUBERT H. MILLER.
EDWARD M. CARTER.	FRANCIS A. PERKINS.
JOHN F. JOHNSON.	CHARLES S. THRASHER.
EDWARD E. HAMBLIN.	WILLIAM H. JOHNSTON.
CHARLES E. WOODMAN.	JOHN G. KNIGHT.
ARTHUR E. KEATING.	THEODORE E. HERON.
STEPHEN S. SMITH.	JACOB W. SKINNER.
EUGENE H. GAMMON.	DAVID A. BOLTON.
IRA S. CARLTON.	JAMES M. HARMON.
CHARLES W. STEVENS.	MICHAEL T. KENNEDY.
ULYSSES G. SKINNER.	EZRA A. DODGE.
JAMES J. POLLARD.	DANIEL G. SIMONS.
SAMUEL BURNS.	FRED H. GOOGINS.

JOTHAM CHISHOLM.

MELVILLE C. PARKHURST, *Lockup Keeper.*

MEETINGS.

BOARD OF ALDERMEN.

Second and fourth Wednesday evenings of each month.

COMMON COUNCIL.

Thursday evenings next following the second and fourth Wednesdays
of each month.

SCHOOL COMMITTEE.

Last Monday evening of each month.

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